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- Keep things under control during the project
- Understand common causes of project failure

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Founder and Director of Inspirandum Ltd



***Project
Management***

FOR
DUMMIES[®]
A Wiley Brand

Second Edition

**by Nick Graham and
Stan Portny**

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Table of Contents

Introduction

[About This Book](#)

[Foolish Assumptions](#)

[Icons Used in This Book](#)

[Beyond the Book](#)

[Where to Go from Here](#)

Part I: Understanding Projects and What You Want to Achieve

Chapter 1: Success in Project Management

[Taking on a Project](#)

[Avoiding the Pitfalls](#)

[Deciding Whether the Job is a Project](#)

[Understanding the four control areas](#)

[Recognising the diversity of projects](#)

[Understanding the four stages of a project](#)

[Defining the Project Manager's Role](#)

[Looking at the Project Manager's tasks](#)

[Opposing opposition](#)

[Avoiding 'shortcuts'](#)

Chapter 2: Thinking Through the Life of Your Project

[Being Methodical](#)

[Breaking the Project Down into Stages](#)

[Appreciating the advantages of stages](#)

[Deciding on the number of delivery stages](#)

Understanding the Four Main Stages

Starting the Project

Organising and Preparing

Carrying Out the Work - delivery stages

Closing the Project

Chapter 3: Defining the Scope and Producing a Business Case

Defining the Scope

Managing expectations and avoiding disappointment

Challenging the scope

Understanding the dimensions of scope

Being clear

Requirements

Producing a Business Case

Getting to grips with the basic contents

Keeping the Business Case up to date

Figuring out why you're doing the project

Understanding project justification

Understanding benefits

Writing the Business Case

Complying with organisational standards

Going Back to the Scope

Getting to Grips with Techniques

Calculating return on investment

Understanding cost-benefit analysis

Chapter 4: Knowing Your Project's Stakeholders

Managing Stakeholders

Identifying stakeholders - the 'who'

Analysing the stakeholders - the 'where'

Understanding positions - the 'why'

Deciding action - the 'what'

Working with stakeholders - the 'how'

Planning the work - the 'when'

Handling Opposition

Solving the problems

Focusing on the common areas

Understanding that you're a threat

Spotting facts and emotions

Overriding the opposition

Handling Multiple-Stakeholder Projects

Getting multiple approvals

Developing management strategies

Part II: Planning Time: Determining What, When and How Much

Chapter 5: Planning with Deliverables First

Seeing the Logic of Product Planning

[Thinking 'product' before thinking 'task'](#)

[Understanding the problems of an activity focus](#)

[Knowing What a Product Is – and Isn't](#)

[Finding Good Product Names](#)

[Using a Business Project Example](#)

[Identifying the products](#)

[Developing a sequence](#)

[Defining the products](#)

[Using a Structured Product List](#)

[Unleashing the Power of the Work Flow Diagram](#)

[Using the Work Flow Diagram for risk](#)

[Using the Work Flow Diagram for control](#)

[Using the Work Flow Diagram to show stages](#)

[Using the Work Flow for progress reporting](#)

[Getting a picture of the project](#)

[Chapter 6: Planning the Activities](#)

[Moving From Products to Activities](#)

[Having multiple tasks to build a product](#)

[Listing the activities or tasks](#)

[Drawing Up a First Activity Network](#)

[Seeing how you build up an Activity Network](#)

[Using the Work Flow Diagram](#)

[Putting in the time durations](#)

[Calculating the length of the project](#)

[Understanding Float and Its Impact](#)

[Identifying the Critical Path](#)

[Watching the critical path](#)

[Finding a split critical path](#)

[Being More Precise with Dependencies](#)

[Understanding dependency types](#)

[Staying in touch with reality](#)

[Thinking a bit more about sequences](#)

[Working with the Activity Network](#)

[Working back to meet end dates](#)

[Avoiding backing into your schedule](#)

[Going for Gantt](#)

[Estimating Activity Durations](#)

[Getting the best information](#)

[Using estimating techniques](#)

[Putting a health warning on estimates](#)

[Chapter 7: Looking At Staff Resources](#)

[Seeing Why You Need to Plan Staff Use](#)

[Dealing with resource conflicts](#)

[Making sure that people are available](#)

[Monitoring use of staff on the project](#)

[Matching People to Tasks](#)

[Working out the skill sets and knowledge that you need on the teams](#)

[Growing your people](#)

[Developing a Skills Matrix](#)

Honing Your Task Duration Estimates

[Documenting your estimates](#)

[Factors in activity timing and estimates](#)

[Estimating required work effort](#)

[Factoring in productivity](#)

[Taking care with historical data](#)

[Accounting for availability in estimates](#)

Smoothing the Resource

[Checking for resource conflict](#)

[Resolving resource conflicts - the steps](#)

[Co-ordinating assignments across multiple projects](#)

Chapter 8: Planning for Other Resources and Developing the Budget

Determining Physical Resource Needs

[Identifying resource needs](#)

[Understanding physical resources](#)

[Thinking a bit more about timing](#)

Making Sense of Costs and Budgets

[Looking at different types of project costs](#)

[Developing a project budget at three levels](#)

[Refining your budget through the stages](#)

[Creating a detailed budget estimate](#)

[Avoiding drowning people in detail](#)

Chapter 9: Planning at Different Times and Levels

Putting the Main Structure in Place

[Deciding on the stages](#)

[Holding a Stage Gate](#)

Working with Planning Levels

[Drawing up new plans](#)

[Keeping higher level plans up to date](#)

[Planning at more than one level at once](#)

Chapter 10: Venturing into the Unknown: Dealing with Risk and Uncertainty

Understanding Risks and Risk Management

[Seeing why you need risk management](#)

[Managing, not necessarily avoiding, risk](#)

[Keeping people informed](#)

[Keeping risk in focus throughout the project](#)

Working Through the Risk Cycle

[Identifying a risk and its trigger event\(s\)](#)

[\(Re\)analyse the risk and check existing actions](#)

[Deciding risk management action\(s\)](#)

[Add/modify risk management in the plans](#)

[Take planned action\(s\) and monitor the risk](#)

Documenting Risk

Risk Plan

Risk Log

Getting Some Help from Techniques

Ishikawa (fishbone) diagram

Work Flow Diagram

Risk Checklist

Decision Tree

Part III: Putting Your Management Team Together

Chapter 11: Organising the Project

Designing the Project Organisation

Understanding it's about roles, not jobs

Getting to grips with project roles

Looking at the roles

Influencing the selection of PSG roles

Defining Organisational Structures

The functional structure

The projectised structure

The matrix structure

Taking note of the structure

Chapter 12: Working With Teams and Specialists

Looking At the Team In Context

Working with Team Leaders

Accepting That People Are Different

Using the Controller-Analyst Matrix

Building in or avoiding team conflict

Using the model on the fly

Thinking About Suitable Team Members

Considering Performance

Identifying the performance progression

Monitoring performance

Maximising performance

Working with Senior Staff

Being secure in your role

Calling in the heavy guns

Working with Technical Specialists

Finding a translator

Admitting your ignorance

Being on-side

Working with Supplier Teams

Supporting supplier staff

Choosing suppliers carefully

Thinking 'time', not just 'initial cost'

Dealing With Discipline

Maintaining some distance

Owning the problem

[Avoiding jumping to conclusions](#)

[Resolving problems - or trying to](#)

[Treading the disciplinary trail](#)

[Changing Staff](#)

[Chapter 13: Being an Effective Leader](#)

[Practising Management and Leadership](#)

[Understanding what makes a good leader](#)

[Developing personal power and influence](#)

[Knowing What Motivates, and also What Demotivates](#)

[Taking a lesson from Fred Herzberg](#)

[Understanding points of demotivation](#)

[Ensuring that others are on board](#)

[Developing Your Teams](#)

[Defining your project operating processes](#)

[Helping your teams to function well](#)

[Stoking the Boilers](#)

[Letting people know how they're doing](#)

[Motivating people when they leave](#)

[Keeping your finger on the pulse](#)

[Part IV: Steering the Project to Success](#)

[Chapter 14: Tracking Progress and Staying in Control](#)

[Understanding What Underpins Effective Progress Control](#)

[Having a reliable plan](#)

[Having clear and frequent milestones](#)

[Having an effective reporting mechanism](#)

[Harnessing Product Power for Progress Control](#)

[Compiling a Work Checklist](#)

[Getting visual with the Work Flow Diagram](#)

[Monitoring at project, stage and Work Package levels](#)

[Taking Action When Things Go Off Track](#)

[Finding out why the project is off track](#)

[Thinking about what you can do to get back on track](#)

[Deciding what you'll do](#)

[Taking action](#)

[Monitoring the effectiveness of the action](#)

[Monitoring Work Effort and Costs](#)

[Keeping an eye on work effort](#)

[Follow the money: Monitoring expenditure](#)

[Dealing with Change and Avoiding Scope Creep](#)

[Understanding different types of change](#)

[Looking at impacts - the four dogs](#)

[Responding to change requests](#)

[Eliminating scope creep - well, almost](#)

[Chapter 15: Keeping Everyone Informed](#)

[Looking Underneath Communications Failure](#)

[Communications breakdown – the big project killer](#)

[Communicating Effectively](#)

[Distinguishing between one-way and two-way communication](#)

[Can you hear me? Listening actively](#)

[Choosing the Appropriate Medium](#)

[Writing reports](#)

[Meeting up](#)

[Setting up a project website](#)

[Making a business presentation](#)

[Preparing a Communications Plan](#)

[Identifying the communications](#)

[Writing a Communications Plan](#)

[Chapter 16: Bringing Your Project to Closure](#)

[Staying the Course to Completion](#)

[Thinking ahead about project closure](#)

[Dealing with a crash stop](#)

[Planning Closure](#)

[Outlining closure activities](#)

[Motivating teams to the finish line](#)

[Providing a Good Transition for Team Members](#)

[Reviewing the Project](#)

[Beginning with the end in mind](#)

[Recording project information](#)

[Learning lessons – and passing them on](#)

[Measuring benefits](#)

[Planning for Things After the Project](#)

[Part V: Taking Your Project Management to the Next Level](#)

[Chapter 17: Managing Multiple Projects](#)

[Talking the Talk](#)

[Defining a programme](#)

[Defining a portfolio](#)

[Deciding on a Programme](#)

[Understanding programme roles](#)

[Fitting in with Programme Plans](#)

[Mapping interdependencies by product](#)

[Controlling a programme](#)

[Managing a Portfolio](#)

[Understanding the project implications](#)

[Maintaining the portfolio](#)

[Chapter 18: Using Technology to Up Your Game](#)

[Using Computer Software Effectively](#)

[Seeing what software you need](#)

[Understanding where to use software](#)

[Having Your Head in the Clouds](#)

[Getting Really Good Stuff for Free](#)

[Supporting Virtual Teams with Communication Technology](#)

[Saving Time With Software](#)

Chapter 19: Monitoring Project Performance with Earned Value Management

[Understanding EVM Terms and Formulas](#)

[Looking at a project example \(1\)](#)

[Looking at a project example \(2\)](#)

[Looking at a project example \(3\)](#)

[Getting the three key figures](#)

[Working with Ratios and Formulas](#)

[Investigating Variances](#)

[Deciding What to Measure for EVM](#)

Chapter 20: Project Governance and Why It's Really Important

[Seeing Why It's a No-brainer](#)

[Looking At Other Guidance](#)

[Understanding What's Involved](#)

[Understanding the Organisational Level](#)

[Standards and approaches](#)

[Reviewing governance and standards](#)

[Checking an Individual Project](#)

[Checking the project's Outline Charter](#)

[Checking the Charter and PMP](#)

[Checking the project while it's running](#)

[Evaluating the project at the end](#)

[Maintaining the 'Big Divide'](#)

[Coordinating Your Project Training](#)

Chapter 21: ISO 21500:2012

[Seeing the Place of ISO Standards](#)

[Knowing What ISO 21500 Covers](#)

[Understanding the Structure of 21500](#)

[Getting into the subject areas](#)

[Drilling deeper into the processes](#)

[Minding the Gap](#)

[Boggling Your Mind . . . Just a Bit](#)

Part VI: The Part of Tens

Chapter 22: Ten Questions to Ask Yourself as You Plan Your Project

[What Are the Objectives of Your Project?](#)

[Who Do You Need to Involve?](#)

[What Results Will You Produce?](#)

[What Constraints Must You Satisfy?](#)

[What Assumptions Are You Making?](#)

[What Work Has to Be Done?](#)
[When Does Each Activity Start and End?](#)
[Who Will Perform the Project Work?](#)
[What Other Resources Do You Need?](#)
[What Can Go Wrong?](#)

Chapter 23: Ten Tips for Writing a Convincing Business Case

[Starting with a Bang](#)
[Spelling out the Benefits Clearly](#)
[Pointing Out the Non-quantifiables](#)
[Being Prudent](#)
[Considering Three-point Estimating](#)
[Making Sure Benefits Aren't Features](#)
[Avoiding Benefits Contamination](#)
[Making Sure You Can Deliver Benefits](#)
[Supplying Evidence or Referencing It](#)
[Using Appendices](#)

Chapter 24: Ten Tips for Being a Better Project Manager

[Being a 'Why' Person](#)
[Being a 'Can Do' Person](#)
[Thinking about the Big Picture](#)
[Thinking in Detail](#)
[Assuming Cautiously](#)
[Viewing People as Allies Not Adversaries](#)
[Saying What You Mean, and Meaning What You Say](#)
[Respecting Other People](#)
[Acknowledging Good Performance](#)
[Being a Manager and a Leader](#)

About the Authors

Cheat Sheet

More Dummies Products

Introduction

Projects have been around since ancient times. Noah building the ark, Leonardo da Vinci painting the *Mona Lisa*, Edward Gibbon writing *The Decline and Fall of the Roman Empire*, Jonas Salk developing the polio vaccine - all projects. And, as you know, these projects were all masterful successes. (Well, the products were a spectacular success, even if schedules and resource budgets were sometimes overrun!)

Why, then, is the topic of project management of such great interest today? The answer is simple: the audience has changed and the stakes are higher.

Historically, projects were large, complex undertakings. The first project to use modern project management techniques - the development of the Polaris weapons system in the early 1950s - was a technical and administrative nightmare. Teams of specialists planned and tracked the myriad of research, development and production activities. They produced mountains of paper to document the intricate work. As a result, people started to view project management as a highly technical discipline with confusing charts and graphs; they saw it as inordinately time consuming, specialist driven and definitely off limits for the common man or woman!

Because of the ever-growing array of huge, complex and technically challenging projects in today's world, people who want to devote their careers to planning and managing them are still vital to the projects' success. Over the past 25-30 years, however, the number of projects in the regular workplace has skyrocketed. Projects of all types and sizes are now *the way that*

organisations accomplish work involving development and change.

At the same time, a new breed of Project Manager has emerged. This new breed may not have set career goals to become Project Managers - many among them don't even consider themselves to be Project Managers. But they do know that they must successfully manage projects to move ahead in their careers. Clearly, project management has become a critical management skill for many, not just a career choice for a few.

Even though these Project Managers realise they need special tools, techniques and knowledge to handle their new types of assignments, they may not be able to devote large amounts of time to acquiring them, which is where this book comes in. This book is devoted to that vast majority of Project Managers.

About This Book

This book helps you recognise that the basic elements of successful project management are straightforward. The book provides information and explains powerful techniques that help you plan and manage projects successfully. Here, you discover too that a major challenge to a successful project is dealing with the multitude of people whom a project may affect or need for support. You find plenty of tips, hints and guidelines for both the *hard skills* such as planning and the *soft skills* for working with people in and around your project.

But knowledge alone won't make you a successful Project Manager - you need to apply it. This book's theme is that project management skills and techniques aren't burdensome tasks you perform because some

process requires it. Rather, they're a way of thinking, communicating and behaving to help you achieve successful delivery. They're an integral part of how people approach all aspects of their work every day.

Like all 'For Dummies' books, this one is written to be direct and easy to understand. But don't be misled - the simple text still navigates all the critical tools and techniques you'll need to support your project planning, scheduling, budgeting, organising and controlling.

You'll find that we present the information in a logical and modular progression. Examples and illustrations are plentiful - so are the tips and hints. And there's some attempt at humour from time to time to keep the writing down to earth. The idea is that you finish this book feeling that good project management is a necessity and that you're determined to practise it!

To help you navigate through this book, we use the following conventions:

- ✓ *Italics* point out new words and alert you to their definitions, which are always close by. On occasion, italics also add emphasis.
- ✓ **Bold** text indicates keywords in bulleted lists or highlights action parts in numbered lists.

Web addresses are a problem because they change and the information so quickly goes out of date. However, you'll find that the text gives enough information for you to search for a particular site or reference where you want to follow something up with a search on the Internet.

Foolish Assumptions

When writing this book, we assumed that a widely diverse group of people will read it, including the following:

- ✓ Senior managers and junior managers (tomorrow's senior managers)
- ✓ Experienced Project Managers and people who've never been on a project team
- ✓ People who've had significant project management training and want to catch up on the latest ideas, and people who've had none
- ✓ People who've had years of real-world business and government experience, and people who've just started work

We assume that you have a desire to take control of your environment. After reading this book, we hope you wonder (and rightfully so) why all projects aren't well managed - because you'll think these techniques are so logical, straightforward and easy to use. But we also assume you recognise the big difference between *knowing* what to do and *doing* it. You'll have to work hard to overcome pressures that conspire to prevent you from using these tools and techniques. Pressures include any people senior to you who think that if you don't plan and control a project, it all works out fine just the same, only you'll have saved time and so deliver faster. Interestingly, the same people don't take that view when organising their family holidays.

Finally, you'll find that you can read this book repeatedly and find out something new each time. Think of this book as a comfortable resource that has more to share as you experience new situations.

Icons Used in This Book

The small icons in the left margins of the book are to alert you to special information in the text. Here's what they mean:



EXAMPLE This icon gives a real or hypothetical situation to illustrate a particular point in the main text.



PROJECT SPEAK This icon is for things that help you get to grips with terms or issues that are a bit more technical, or at least that sound more technical.



REMEMBER This icon points out important information you want to keep in mind as you apply the techniques and approaches.



TIP The Tip icon highlights something you can use to improve your project management practices.



WARNING! This icon highlights potential pitfalls and dangers.

Beyond the Book

You may find every now and then that you need some additional information or just a quick recap project management.

In addition to the material in the print or e-book you're reading right now, this book also comes with some

access-anywhere goodies on the Internet. Regardless of how good your memory is, you can't possibly remember everything related to project management, so check out the free Cheat Sheet at

www.dummies.com/cheatsheet/projectmanagementuk, which will bring back the most important points about the subject.

You can also find more helpful tidbits of information and advice online at

www.dummies.com/extras/projectmanagementuk.

Where to Go from Here

You can read this book in many ways, depending on your own project management knowledge and experience and your current needs. However, it's worth starting out by taking a minute to scan the table of contents and thumb through the sections of the book to get a feeling for the topics.

If you're new to project management and are just beginning to form a plan for a project, first read Parts [I](#) and [II](#), which explain how to plan outcomes, activities, schedules and resources. If you want to find out how to identify and organise your project's team and other key people, start with Chapter [11](#) and Part [III](#). If you're ready to begin work or you're already in the midst of your project, you may want to start with Part [IV](#) to look for advice on keeping things on track. Or feel free to jump back and forth, hitting the topics that interest you the most.

No matter how you make your way through this book, plan on reading all the chapters more than once - the more you read a chapter, the more sense its approaches and techniques will make. And who knows? A change in

your job responsibilities may create a need for certain techniques you've never used before. Have fun!

Part I
**Understanding Projects
and What You Want to
Achieve**



For Dummies can help you get started with lots of subjects. Go to www.dummies.com to learn more and do more with *For Dummies*.

In this part ...

- ✓ Come to grips with how projects are structured, and learn how to think through the life cycle of your project.
- ✓ Get the inside track on why projects are likely to be needed within a business.
- ✓ Learn how to answer the question 'Is this really a project?', because not everything is.
- ✓ Understand who's likely to have an interest in your project, and how you have to deal with them.

Chapter 1

Success in Project Management

In This Chapter

- ▶ Understanding what makes a project a project
 - ▶ Seeing what's involved in project management
 - ▶ Coming to grips with the Project Manager's role
 - ▶ Knowing what it takes to be a successful Project Manager
-

Organisations are constantly changing, and ever faster, as they adapt to new market conditions, new financial conditions, new business practices, new legal requirements and new technology. Then there is work to be done such as upgrading or moving premises, installing new facilities, carrying out major maintenance, improving manufacturing processes and re-branding commercial products. A lot of that work is carried out with projects, and as a result businesses are increasingly driven to find individuals who can excel in this project-oriented environment.

Taking on a Project

Because you're reading this book, the chances are that you've been asked to manage a project for the first time or that you're already running projects and are looking to see whether you can find easier and better ways of doing things. If the project is indeed your first one, that's

a challenge and may well give you the chance to excel in something you haven't done before; for many, managing a project even opens a door to a new career.

The really good news here, whether you're completely new or have some experience, is that project management has been around for a very long time. In that time, Project Managers have come up with highly effective strategies and a range of very practical techniques. You can benefit from all that experience, and this book takes you through what you need to know. You may be a bit guarded even now because you've heard of, read about or even seen, an awful lot of project problems and failures. More really good news is that most project failure comes from well-known and avoidable problems; you really don't have to be part of the failure statistics if you manage your project in the right way.

So, hang on tight - you're going to need an effective set of skills and techniques to steer your projects to successful completion. This chapter gets you off to a great start by showing you what projects and project management really are and by helping you separate projects from non-project work. The chapter also gives you some insight into exactly why projects go wrong. That will help you become absolutely determined to do things right and succeed where so many others have failed.



This book offers a generic approach to project management and isn't based on any one approach. Specifically, if you're interested in the PRINCE2[®] project method then you might like to get hold of a copy of *PRINCE2 For Dummies*. That book will help you to understand the method, but be aware that

PRINCE2 hasn't set out to cover all that's involved in project management. It's focused on planning and control but doesn't even cover all of that, so you'll find a lot in this book that isn't in the PRINCE2 one.

Avoiding the Pitfalls

By following a sound approach to the project, you automatically avoid many of the pitfalls that continue to contribute to, or cause, project failure on a mind-boggling scale. You may ask why, if good ways of doing things exist, people ignore them and then have their projects fail. Good question. People make the same project mistakes repeatedly, and they're largely avoidable. You may have come across the joke by comedian Tommy Cooper:

I went to the doctor and said 'Every time I do this, it hurts.' The doctor said, 'Well, don't do it then.'



A national public project run in the UK to create a database of offenders for use by the Prison Service, Probation Service and others has attracted heavy criticism for poor management. The National Audit Office, which checks up on government departments, investigated and reported that the project was delayed by three years, and the budget was double the original, but the scope had been radically cut back. Edward Leigh MP, chairman of the powerful Public Accounts Committee in Parliament at the time described the scheme as a 'spectacular failure' and 'a master-class in sloppy project management'.

The following list takes a quick look at the main causes of project failure; you'll find the remedies in later

chapters in the book. The list makes for depressing reading, particularly if you recognise some elements in parts of your own organisation. Nevertheless, it gives a good background against which to contrast successful project management and the approach and techniques set down in this book.

- ✓ **Lack of clear objectives:** Nobody's really sure what the project is about, much less are people agreed on it.
- ✓ **Lack of risk management:** Things go wrong that someone could easily have foreseen and then controlled to some degree, or even prevented.
- ✓ **No senior management 'buy in':** Senior managers were never convinced and so never supported the project, leading to problems such as lack of resource. Neither did those managers exercise effective management supervision (good project governance) as they routinely do in their other areas of responsibility.
- ✓ **Poor planning:** Actually, that's being kind, because often the problem is that no planning was done at all. It's not surprising, then, when things run out of control, and not least because nobody knows where the project should be at this point anyway.
- ✓ **No clear progress milestones:** This follows on from poor planning. The lack of milestones means nobody sees when things are off track, and problems go unnoticed for a long time.
- ✓ **Understated scope:** The scope and the Project Plan are superficial and understate both what the project needs to deliver and the resource needed to deliver it. Project staff (often team members) then discover the hidden but essential components later in the project. The additional work that is necessary then takes the

project out of control, causing delay to the original schedule and overspending against the original budget.

- ✓ **Poor communications:** So many projects fail because of communication breakdown, which can stem from unclear roles and responsibilities and from poor senior management attitudes, such as not wanting to hear bad news.
- ✓ **Unrealistic resource levels:** It just isn't possible to do a project of the required scope with such a small amount of resource – staff, money or both.
- ✓ **Unrealistic timescales:** The project just can't deliver by the required time, so it's doomed to failure.
- ✓ **No change control:** People add in things bit by bit – scope creep. Then it slowly dawns on everyone that the project's now grown so big that it can't be delivered within the fixed budget or by the set deadline.

That's ten reasons for failure, but you can probably think of a few more. The interesting thing about these problems is that avoiding them is, for the most part, actually not that difficult.

Deciding Whether the Job is a Project

Before you start to think too deeply about how to set up the project, the first thing to do is check whether it really is one. No matter what your job is, you handle a myriad of assignments every day: prepare a memo, hold a meeting, design a sales campaign or move to new offices.

Not all these assignments are projects. So what makes something a project?



Some people say that everything is a project, even making a cup of tea. Don't listen to them. And don't be fooled by references to 'the Project Manager' in TV programmes like *The Apprentice* either, unless you want an object lesson in how not to do things; Lord Sugar really should know better.

You can think about three things to determine whether a job is a project:

- ✓ Is it a one-off job or something that's ongoing? If the job is ongoing, like producing bars of soap on a production line or taking customer orders, then it's business as usual, not a project.
- ✓ Does the job justify project controls? Project management means incurring some overheads, although you can find advice in this book on how to keep overheads to the minimum. But the fact remains that there will be overheads in a project (such as for planning, approval and control) and some jobs are so small or straightforward that they just don't justify that degree of control.
- ✓ This last one may sound a little weird, and it certainly doesn't fit with the formal definitions; it's the question, 'Do you want to handle the job as a project?' You may choose to deal with a block of work as a project, but I wouldn't - so, in some instances, you have a choice.

Understanding the four control areas

Different project approaches have slightly different definitions of a project; here's one:



A *project* is a temporary undertaking performed to produce a unique product, service or result.

The 'unique product' is true, but don't let that put you off setting up projects that are effectively repeated, such as organising the annual company conference. Although, strictly speaking, the task is unique each time, you will nevertheless find large areas of commonality with previous projects so you don't need to reinvent the wheel. For example, you can probably adapt last year's plans rather than starting from scratch.

Large or small, projects involve the following four areas of control:

- ✓ **Scope:** What the project will deliver
- ✓ **Time:** When the project will deliver
- ✓ **Quality:** So often forgotten, but an essential dimension
- ✓ **Resource:** Necessary amounts of staff time, funds and other resources such as equipment and accommodation that the project needs

You need to balance these areas for each project, and you can see immediately why so many projects get into difficulties. You look at a project, think about the four control factors and say to yourself, 'They want that scope, to that quality level, with just that resource and by then? They've got to be joking!' Strangely, organisational managers often commit projects to failure by insisting on unachievable deadlines or unrealistic resources. What's even more strange is that those same