

Computing

Lesson 2: Initiate a Project

IT Project Management

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¹ Materials from the Teach Computing Curriculum created by the National Centre for Computing Education



Task 1 - Read the project brief

Over the next few slides there is a detailed project brief. Make a list of the key information that will help you to understand what you would need to do to initiate this project.



Task 1: Read the project brief

Delicious Desserts is a small shop in a popular town offering a variety of desserts that includes waffles, cookie dough and cheesecakes. They close relatively early, so they miss out on evening trade.

To grow their business, they are going to offer an online ordering service and need support to develop an integrated system that will maintain effective stock control and sales to calculate any profit made in a week, a month, and a year. They intend to launch the online service in eight weeks' time.

The system they currently use consists of a spreadsheet that itemises stock in their stores and is updated at the end of each week after a manual stocktake. This can result in some items running out before the order arrives the following week, having a negative impact on the business. They want the new system to prevent this from happening.



Task 1: Read the project brief

They have a separate system that contains a daily count of desserts sold, including the price they have been sold for, which provides a daily tally of earnings. This is totalled at the end of each week before subtracting the costs for the week, giving an indication of profit or loss for that week.

They realise that things can be improved by calculating a daily running cost for the shop including staff wages, utility services, and rent, that can be included in the selling price of the goods. This is currently calculated from the cost of the ingredients.

They also need to remain competitive and overpricing of goods is not what they are aiming for, so a sensible solution needs to be arranged.



Task 1: Read the project brief

In addition to this, they want to provide an interactive service that will help an indecisive customer to select a dessert that they would enjoy from their menu. They have touchscreen devices at tables in the shop that could be used for this service, and will need to advertise the online ordering and interactive services.

The team who manage the shop have basic IT skills, so are able to input data and interpret what a chart means if it is provided for them. They also respond well to visual reminders that stock is about to run out.



Task 1: Read the project brief

The following shows the costs of the **basic ingredients** that must be available daily:

Plain flour 16 kg: £9.99

Sugar 25 kg: £35.56

Baking powder 850g: £8.49

Salt 3 kg: £2.49

Milk 2.27 ltr: £2.39

Icing sugar 1 kg: £2.66

Butter 1 kg: £7.00

Vanilla extract 500 ml: £4.79

Soft brown sugar 1 kg: £3.54

Cream cheese 1 kg: £7.50

Digestive biscuits 1 kg: £4.03

Double cream 1 ltr: £3.70

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Task 1: Read the project brief

The following are **additional ingredients**:

Fudge pieces 1 kg: £9.50

Belgian milk choc chunks 1 kg: £11.60

Belgian dark choc chunks 1 kg: £12.44

Belgian white choc drops 1 kg: £14.33

Ice cream 1 ltr: £1.27

Cocoa powder 1 kg: £15.65

Black cherry topping 1 kg: £6.20

Apricot topping 1 kg: £6.20

Strawberry topping 1 kg: £5.10



Task 1: Read the project brief

Waffle recipe	Basic cookie dough recipe	Cheesecake recipe
250 g plain flour 4 tbsp sugar 4 tsp baking powder 1/2 tsp salt 350 ml milk 9 g melted unsalted butter 1 tsp vanilla extract	100 g butter 175 g soft brown sugar 2 tsp vanilla extract 140 g plain flour 2 tbsp milk	300 g digestive biscuits 150 g unsalted butter 750 g soft cheese 2 tsp vanilla extract 100 g icing sugar 300 ml double cream



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Item	Annual cost
Staff wages	£63,000
Utility bills	£32,790
Rent	£12,000

Other costs:

Popular desserts:

Strawberry cheesecake, chocolate
cheesecake, chocolate fudge waffle,
strawberry waffle, triple chocolate chip
cookie dough



Task 2 - Complete a feasibility report

Over the next few slides there are the different elements of our template feasibility report. Complete each section carefully.



Task 2: Complete a feasibility report

Introduction

Write briefly about the company here



Task 2: Complete a feasibility report

<u>User Requirements</u> Requirement	What needs to be done
	(Do not complete until instructed)



Task 3 - Consider constraints

Over the next few slides there are a few more elements of our template feasibility report. Complete each section carefully.



Task 3: Consider constraints

<u>Constraints</u> Risk	Level of risk	Mitigation steps



Task 3: Consider constraints

Conclusion



Task 4: Task List

Create a list of tasks that need to be carried out to complete the Delicious Desserts project.

Integrated system

Dessert selection tool

Advertising posters

