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Assignment

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# **Project**

**Focus on individual contributions**

## **Project Plan**

The objective of the project was to create two pieces of software for a supermarket. The two pieces of software would be an application and a website.

**Software and resources**

We used a number of software and resources in the planning and creation of our software.

To create the application we decided to use Android Studio. We chose this because we all have had previous experience with this program so it was the obvious choice for our application. To create the website we decided to use Dreamweaver. We chose this program because of the split screen it provided. Dreamweaver allows you to view your code and your design at the same time. You get a live update for any code you add without having to open the website on a web browser to see what the code has done.

WBS

Charts

Logo

Colour scheme

Name

## **Software Design**

T

## **Software Requirements**

A list of user requirements were created for each component of the software to help break down the tasks we needed to do. With this we were able to get the most important aspects of the software completed first leaving us with enough time to add any extra features we wanted. Because we had decided to create a website and an application, we wrote down three sets of core requirements. One was the overall requirement for the supermarket. The second was for the website and the third was for the application.

**Overall Requirement**

* A customer should be able to register/login or use software as a guest.
* A customer should be able to view a list of items on offer.
* A customer should be able to filter through the items on view.
* A customer should be able to select an item.
* A customer should be able to increase or decrease the quantity of items.
* A customer should be able to add items to a basket.
* A customer should be able to checkout.
* A customer should be able to set a delivery date

**Website Requirement**

Home Page

* Navigation bar (Groceries, Clothing, Electronics, Pharmacy and Home & Furniture)
* Slideshow
* Promo items
* Utility bar at the top (Login, settings, help, basket, account etc)
* Footer (Help, contact us etc)

Groceries Page

* Utility bar at the top (Login, settings, help, basket, account etc)
* Navigation bar (Groceries, Clothing, Electronics, Pharmacy and Home & Furniture)
* Sub navigation bar (Fresh food, frozen food, drinks etc)
* Footer (Help, contact us etc)
* View items
* Filter items
* Add item to basket
* Select items

Clothing Page

* Utility bar at the top (Login, settings, help, basket, account etc)
* Navigation bar (Groceries, Clothing, Electronics, Pharmacy and Home & Furniture)
* Sub navigation bar (Fresh food, frozen food, drinks etc)
* Footer (Help, contact us etc)
* View items
* Filter items
* Add item to basket
* Select items

Electronics Page

* Utility bar at the top (Login, settings, help, basket, account etc)
* Navigation bar (Groceries, Clothing, Electronics, Pharmacy and Home & Furniture)
* Sub navigation bar (Fresh food, frozen food, drinks etc)
* Footer (Help, contact us etc)
* View items
* Filter items
* Add item to basket
* Select items

Pharmacy Page

* Utility bar at the top (Login, settings, help, basket, account etc)
* Navigation bar (Groceries, Clothing, Electronics, Pharmacy and Home & Furniture)
* Sub navigation bar (Fresh food, frozen food, drinks etc)
* Footer (Help, contact us etc)
* View items
* Filter items
* Add item to basket
* Select items

Home & Furniture Page

* Utility bar at the top (Login, settings, help, basket, account etc)
* Navigation bar (Groceries, Clothing, Electronics, Pharmacy and Home & Furniture)
* Sub navigation bar (Fresh food, frozen food, drinks etc)
* Footer (Help, contact us etc)
* View items
* Filter items
* Add item to basket
* Select items

Item Page

* Utility bar at the top (Login, settings, help, basket, account etc)
* Navigation bar (Groceries, Clothing, Electronics, Pharmacy and Home & Furniture)
* Footer (Help, contact us etc)
* Item name
* Item image
* Item description
* Item price
* Change quantity
* Add item to basket

Basket Page

* Utility bar at the top (Login, settings, help, basket, account etc)
* Navigation bar (Groceries, Clothing, Electronics, Pharmacy and Home & Furniture)
* Footer (Help, contact us etc)
* View basket items
* Change quantity
* Remove item
* Checkout

Checkout Page

* Confirm order
* Cancel order

Login/Register Page

* Fields to enter Login/register details

Store Locator Page

* Utility bar at the top (Login, settings, help, basket, account etc)
* Navigation bar (Groceries, Clothing, Electronics, Pharmacy and Home & Furniture)
* Footer (Help, contact us etc)
* Map

Contact Us Page

* Utility bar at the top (Login, settings, help, basket, account etc)
* Navigation bar (Groceries, Clothing, Electronics, Pharmacy and Home & Furniture)
* Footer (Help, contact us etc)
* Contact us form
* Address
* Phone number

**Application Requirement**

Home Page, Activity

* Phone number

Home Page, Activity

* Drawer in action bar with a list of options. (Login , View basket, Find Store, Clubcard, Settings, Help ect)
* Search in action bar.
* Basket in action bar
* Logo in action bar
* List/grid of categories. (Food, Clothes, Electronics, Home & Furniture, Pharmacy)
* Sales Products.

Category Page, Activity

* Back button in action bar
* Logo in action bar
* Search in action bar.
* Basket in action bar
* List/grid of sub categories. (In food we can have frozen food, coupboard food, fresh food ect)

Items, Activity

* Core Requirement - Customer should be able to view items.
* Core Requirement - Customer should be able to filter items on view.
* Core Requirement - Customer should be able to select items.
* Core Requirement - Customer should be able to add items to a basket.
* Fliter in action bar.
* Search in action bar
* List/grid of items. (Grapes, Seedless Grapes, the different types of products)
* Add button to add item to basket

Item, Fragment or Activity without layout

* Core Requirement - Customer should be able to view item info.
* Core Requirement - Customer should be able to add items to a basket.
* Back button in action bar
* Item name
* Item picture
* Item price
* Item description
* Button to add item to basket
* Quantity option

Basket, Activity

* Core Requirement - Customer should be able to increase/decrease quantity of items.
* Drawer in action bar
* List of items in the basket with item name, price, quantity increase/decrease and item removal
* Total price
* Checkout button

Checkout, Activity

* Core Requirement - Customer should be able to checkout.
* Confirm Items

Delivery/Collection Option, Activity

* Core Requirement -  Customer should be able to set a delivery date.
* Tabs for delivery and collection in action bar
* A calender?
* Choose closest store for collection

Login/Register, Activity

* Core Requirement - Customer should be able to register or use app/website as a guest.
* Back button in action bar
* Fields to enter Login/register details.

Store Locator, Activity

* Back button in action bar
* Map with different store locations

## **Group Meetings/Schedule**

t

Schedule

2 meeting a week

## **Individual Roles**

Task relationship

Assign technical and non-technical roles to all team members

**Anis**

Pm

Supplier

**Jennifer**

D

loyalty

**Nazir**

In

Payment

**Benjamin**

V

Market

## **Risk Register**

T

# **Project Lifecycle**

## **Week 1**

The first week of our project was spent on establishment. This involved recognising software requirements, defining roles, making a project plan and creating a schedule for the whole team to follow.

For the requirements, we read the case study, looked at the core and different components then used both of these resources to write down what we thought the software requirements would be. Things like customer being able to view items and placing items in baskets.

In defining roles, we looked at a list of roles, technical and non-technical, provided for us and discussed which roles we would be comfortable with. For the non-technical roles, it was decided that Anis would be the Project Manager because he know how to take minutes, something that was part of the role for a Project Manager. Jennifer took the role of Documenting as she felt she would be able to do this. Nazir was assigned the role of Integration and Benjamin was given the role of Quality Assurance. For the technical roles We decided that Anis would develop the Suppliers Interface component, Jennifer would develop the Loyalty Scheme component, Nazir would develop the Payment component and Benjamin would develop the Marketing component.

We created a project plan

We created a schedule

## **Week 2**

The goal of week was to name our supermarket, create a logo, choose a colour scheme and create templates for diagrams we were going to include. For example, Work Breakdown structure, Gantt Chart and other charts.

We were able to come up with a name for our supermarket. The name that we chose was FCEPH. We chose this name because it stands for Food, Clothing, Electronics, Pharmacy and Household.

What acc happened

any changes?

Name, logo, colour scheme, templates

## **Week 3**

WBS, Charts, development

The goal of week

What acc happened

any changes?

## **Week 4**

Development, Presentation

The goal of week

What acc happened

any changes?

## **Week 5**

Development, Presentation

The goal of week

What acc happened

any changes?

## **Week 6**

Presentation, Development, individual development

This week’s goal was to deliver our presentation, finish the development of our core software and layout the plans for our individual development.

We prepared for our presentation by …

Our core software was not finished

Because our core software was not finished, we did not start planning to begin our individual development.

any changes?

## **Week 7**

Development, individual development

The goal of week

What acc happened

any changes?

## **Week 8**

Development, individual development

The goal of week

What acc happened

any changes?

## **Week 9**

Development, individual development

The goal of week

What acc happened

any changes?

## **Week 10**

Development, individual development

The goal of week

What acc happened

any changes?

## **Week 11**

Development, individual development

The goal of week

What acc happened

any changes?

## **Week 12**

Documentation group/individual

The goal of week

What acc happened

any changes?

## **Week 13**

Documentation group/individual

The goal of week

What acc happened

any changes?

# **Core Software**

## **Website**

E

## **Website Testing**

e

## **Application**

E

## **Application Testing**

E

# **Anis – Supplier Interface**

## **Sub Project Plan**

T

## **Risk Register**

The

## **Requirements**

T

**Supplier Interface Requirements**

* User should be able to view stock amount.
* There should be a list of suppliers with their details.
* User should be able to select a supplier.
* User should be able to select type of product from supplier.
* User should be able to place order with supplier.
* Stock should be updated.

## **Software**

E

## **Component Integration**

e

## **Testing**

E

# **Jennifer – Loyalty Scheme**

## **Sub Project Plan**

T

## **Risk Register**

The

## **Requirements**

T

**Loyalty Scheme Requirements**

* A customer should be able to register to a loyalty company.
* A customer should be assigned a loyalty card.
* Points should be added to a loyalty card when the customer shops.
* Points should be removed from a loyalty card when customers use their loyalty card as payment.
* A customer should receive special deals for loyalty points and discounts.

## **Software**

E

## **Component Integration**

e

## **Testing**

E

# **Nazir – Payment**

## **Sub Project Plan**

T

## **Risk Register**

The

## **Requirements**

T

**Payment Requirement**

* A customer should receive payment request when attempting to check out.
* Customer should receive a confirmation or denial for their payment.

## **Software**

E

## **Component Integration**

e

## **Testing**

E

# **Benjamin – Marketing**

## **Sub Project Plan**

T

## **Risk Register**

The

## **Requirements**

T

**Marketing Requirements**

* User should be able to view the types of items purchased by a customer.
* User should be able to send recommendations/deals to customers.

## **Software**

E

## **Component Integration**

e

## **Testing**

E

# **Appendix**

## **Website**

### **Style.css**

jksa

### **Index.html**

Sjdajksa

### **item.html**

sjdajksa

### **Groceries.html**

Sjdajksa

### **freshfood.html**

sjdajksa

### **fruit.html**

sjdajksa

### **vegetable.html**

sjdajksa

### **salad.html**

sjdajksa

### **dips.html**

sjdajksa

### **smoothies.html**

sjdajksa

### **milk.html**

sjdajksa

### **yoghurts.html**

sjdajksa

### **cheese.html**

sjdajksa

### **dairyfree.html**

sjdajksa

### **meat.html**

sjdajksa

### **fish.html**

sjdajksa

### **cookedmeat.html**

sjdajksa

### **slicedcookedm.html**

sjdajksa

### **pies.html**

sjdajksa

### **readymeal.html**

sjdajksa

### **bakery.html**

sjdajksa

### **bread.html**

sjdajksa

### **wraps.html**

sjdajksa

### **pancake.html**

sjdajksa

### **muffins.html**

sjdajksa

### **croissant.html**

sjdajksa

### **scones.html**

sjdajksa

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sjdajksa

### **cake.html**

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### **frozenmeat.html**

sjdajksa

### **frozenfish.html**

sjdajksa

### **icecream.html**

sjdajksa

### **frozendesserts.html**

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### **frozenpizza.html**

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### **frozenchips.html**

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### **frozenpuddings.html**

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### **frozenpies.html**

sjdajksa

### **frozenreadymeal.html**

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### **cracker.html**

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### **crisps.html**

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### **snacks.html**

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### **chocolate.html**

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### **sweets.html**

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### **gum.html**

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### **cereal.html**

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sjdajksa

### **jams.html**

sjdajksa

### **drinks.html**

sjdajksa

### **ghousehold.html**

sjdajksa

### **baby.html**

sjdajksa

### **pets.html**

sjdajksa

### **Clothing.html**

sjdajksa

### **Electronics.html**

sjdajksa

### **Pharmacy.html**

sjdajksa

### **Household.html**

sjdajksa

## **Application**

### **Main page**

sjdajksa