





The Team:

Name	Roles	Contact
Mujaheed Abubakar	Desktop developer Mobile developer	07440258680 mujaheed.abubakar@students.plymouth.ac.uk (preferred) skype: mujaheed.abubakar
Craig Banyard	Lead database developer Web developer Mobile developer	07584575250 craig.banyard@students.plymouth.ac.uk skype: craig_b03 (preferred)
Joseph Kellaway	Lead web developer Mobile developer Database developer	07472691769 joseph.kellaway@students.plymouth.ac.uk (preferred) skype: j.kellaway88
Zakaria Robinson	Project manager HCI lead Mobile developer	077414459903 zakaria.robinson@students.plymouth.ac.uk skype: Zaperon0 (preferred)
Daniel Scott	Lead software developer API developer	07594875693 daniel.r.scott@students.plymouth.ac.uk skype: danzo111994 (preferred)

Tools:

Tool	Use
Android Studio	Production of mobile applications for delivery staff.
Bitbucket	Online repository and source control. 
Lucidchart	Production of ERDs and UML diagrams.
Microsoft Visual Studio	Production of API.
Notepad++ / Atom	Production of website for customers.
NetBeans IDE	Production of desktop application for chef and manager.
SQL Developer	Production of database.
Trello	Project/sprint management. 
SQL Map	To test against SQL Injection and database attack

Initial Requirements Analysis & Design

Product Backlog

User stories51

As a system I need to store orders.
✓ 1/4 5

As a customer I want to log in and update my details.
💬 1 ✓ 0/12 3

As a customer I want to complete and track an order.
💬 2 ✓ 0/5 5

As a customer I need to view my basket and remove or add items from the basket screen.
✓ 0/7 3

As a customer need to make a custom pizza.
💬 1 ✓ 0/7 5

As a chef I need to see what orders need to be prepared.
✓ 0/4 3

As a chef I need to update and progress orders as a cook them.
✓ 0/4 2

User stories51

As a deliver driver I need to see cooked orders.
✓ 0/7 5

As a deliver driver I need to accept and complete deliveries.
✓ 0/10 5

As a delivery Driver I need to log into my account and view my order history.
✓ 0/9 3

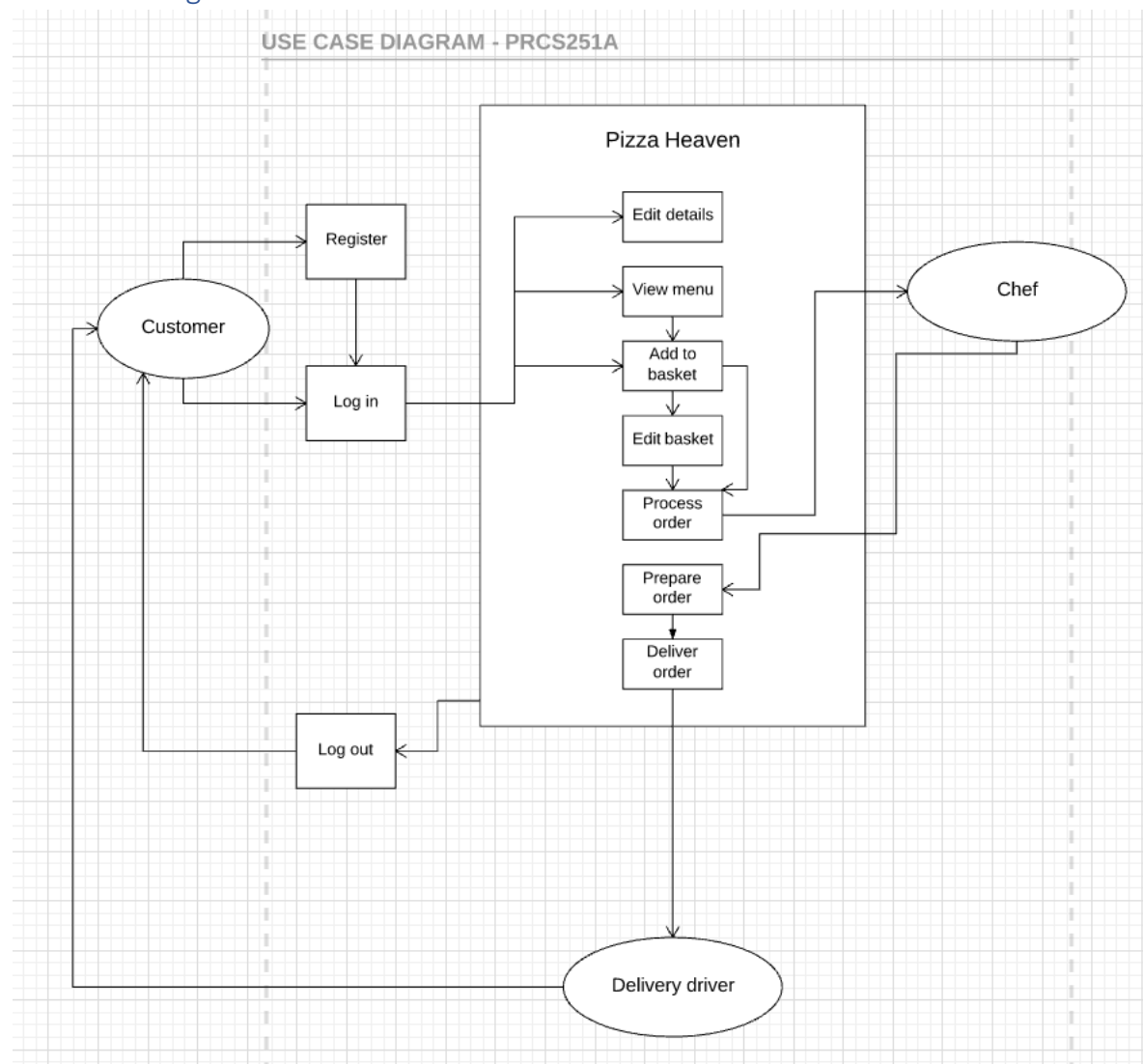
As a delivery driver I need to view accepted orders and contact the customers.
5

As a manager I need to add an item to the Menu table.
3

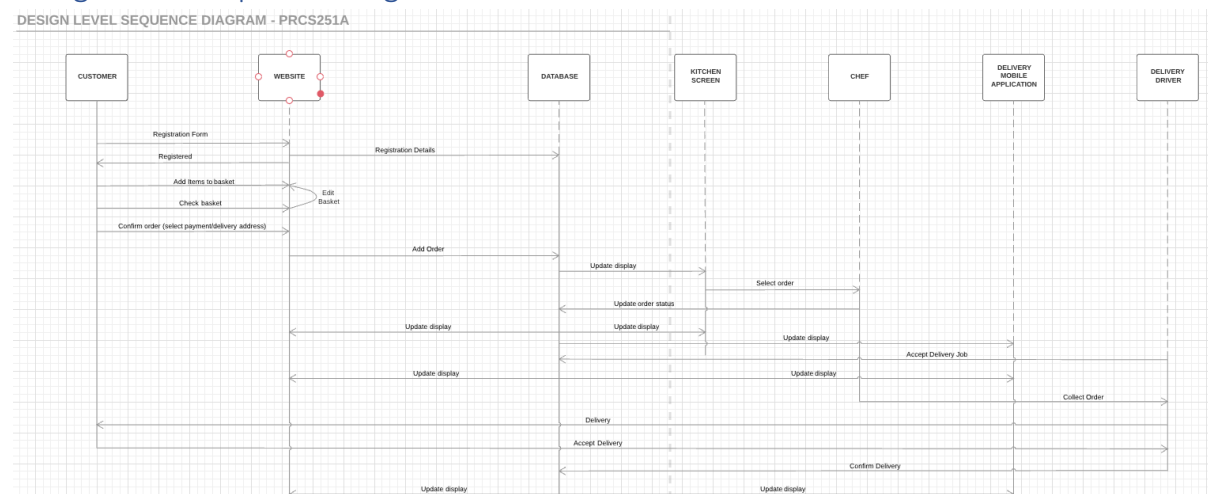
As a manager I need to update a staff member's information.
💬 1 2

As a manager I need to void an ordered item from an order. ✎
2

Use Case Diagram

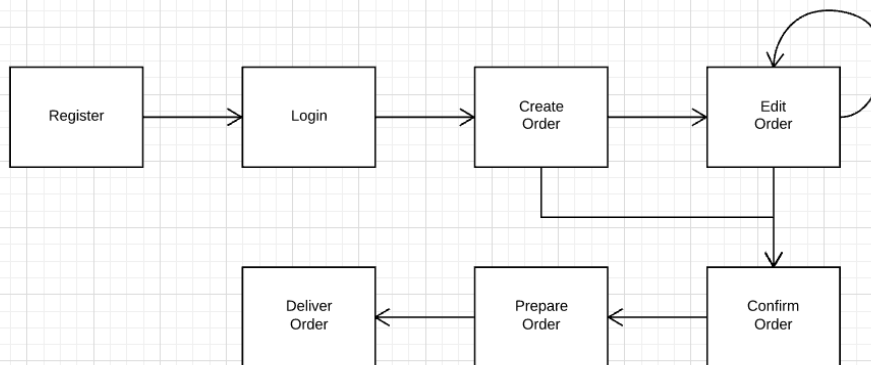


Design Level Sequence Diagram



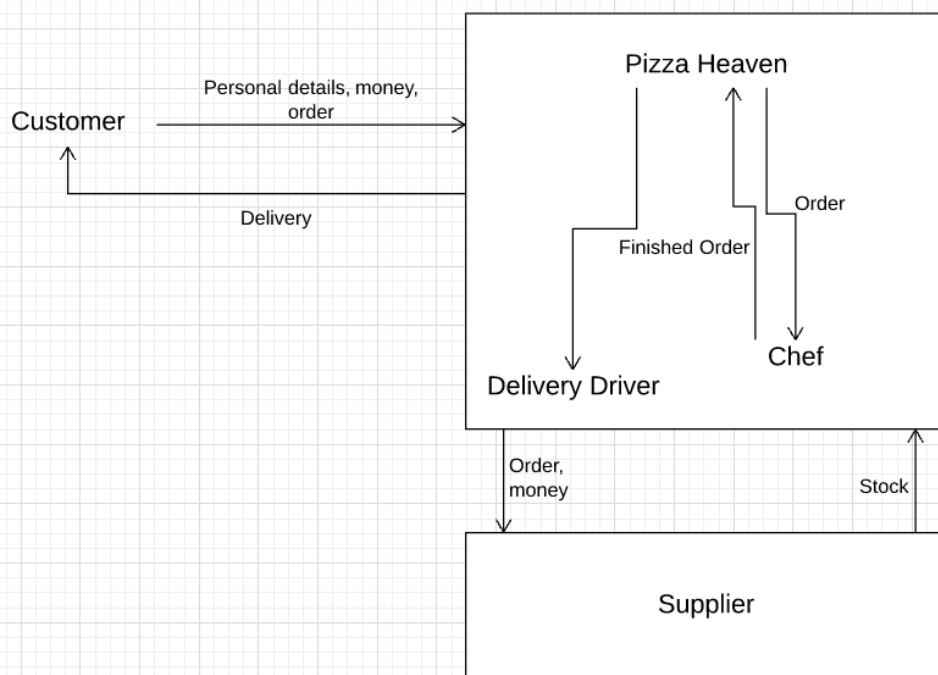
State Machines Diagram

STATE MACHINE DIAGRAM - PRCS251A

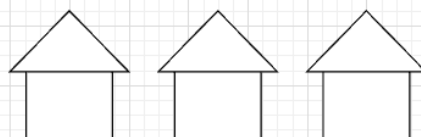


Rich Picture Diagram

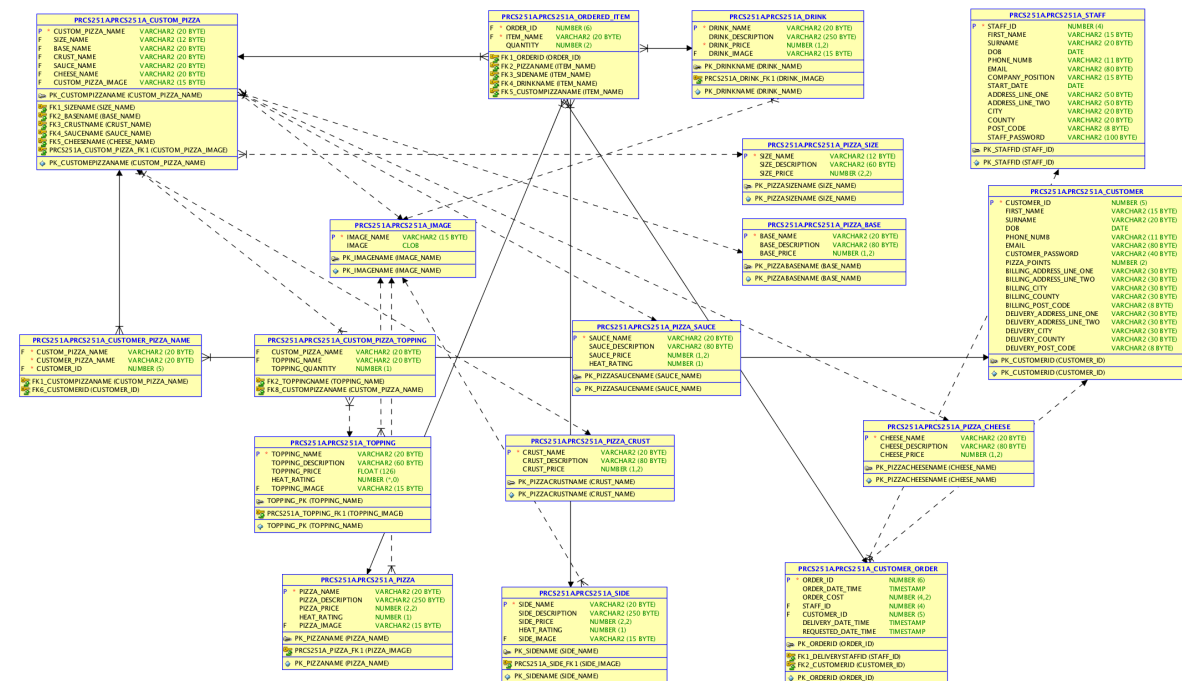
RICH PICTURE DIAGRAM - PRCS251A



Other fast food companies



Class Diagram/ERD



Sprint Plan

Sprint Backlog (Dev)

- Provide log in box for the web
- Consume customer information from the API endpoint and deserialise (parse) into Customer Object on the web
- Authenticate Customer using their details retrieved from API endpoint and create secure session on the web
- Expose Pizza data through API Endpoint
- Consume Customer information through API endpoint to be displayed on the web
- Create Customer edit page with GUI components to allow the customer to edit their details with pre-populated data on the web
- Post edited data back to the API once the customer has edited their data and forward back to a non-edit state of customer details on the web

Communications Plan:

Our communications plan varies from week to week based around a constantly-changing timetable. We have so far averaged over 10 hours per person per week, but this value will fluctuate based on our goals for the week, and the number of sessions we can schedule.

PRCS251 Diary

File Edit View Insert Format Data Tools Add-ons Help All changes saved in Drive

Risk Analysis:

Risk	Probability	Impact	Course of Action
Loss of small portions of project.	High	Low	Use repository to ensure up to date version accessible.
Loss of entire project.	Low	High	Keep numerous backups.
Equipment loss/damage.	Medium	Low	Use open access equipment.
Fall behind sprints/work takes longer than anticipated.	High	Medium	Invest more time into working on the project, reduce workload in future sprints and plan to remove parts of the system design reaching beyond the scope.
Team member stops contributing for any reason.	Low	Low	Accept risk until risk occurs and redistribute work accordingly.
Team lacks specific knowledge and/or skills to complete segment of assignment.	High	High	Accept that the assignment is part of a learning process and that we must develop and improve upon our current skill sets within the team.
User's requirements change after they are gathered.	High (medium)	High (Low)	Keep logs of feedback from user with dates feedback was given. If the user changes their mind, then ask them to explain why they have changed their mind and re-adjust accordingly. Should reduce probability because the user may remember why they wanted the original requirements, will remove undesirable features to reduce impact on final product.