

COMS3002 : Software Engineering

Due on Monday August 14 2017

Daniel Holmes

Group 4 : Fast-Food Management System

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Overview

We are going to build a system to facilitate making orders and picking up orders either to eat in the restaurant or by a drive-in pickup for a Fast-Food chain of restaurants. An order is made through the Internet and specifying the location to be pickup. An order made is issued a number which can be used to make payment. An order is honoured and prepared only after payment is made with the issued number.

Objectives and Goals

- Enable users to create an account using their email address to log their activity.
- Payment credentials will be stored with the user account
- Make online payment secure
- Login will be accomplished using username(email) and password.
- We will use Geo-location to isolate near-by Fast-food restaurants.
- Restaurants menu to be displayed in-app
- Create easy to navigate menus
- A shopping basket implementation to store selected items.
- Order receipt to be generated and sent to customer for book-keeping.

Responsibilities

Front-End : Garfield Moganedi and Kamogelo Khamiwa

- HTML,CSS and JavaScript implementation of our user interface
- Aesthetic layout of Website
- Incorporate restaurant menus into display
- Coherent navigation of internet application
- Provide map to display Geo-location of selected location.

Back-End : Nthikeng Letsoalo and Mohale Nakana

- Structuring of databases(Restaurants, User Accounts)
- Logical handling of order inputs and delivering relevant output information.
- Use open GIS services to get location information
- Implement secure payment facilities.

Expected Input/Output

Registration

- First Name
- Last Name
- Email Address
- Password

Our output will be confirmation of a registered account

Order page

- Geo-location
- Preferred location

Our output is the available options within the selected area
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Placing an Order

- Selected restaurant
- Selected items
- Method of collection (Eating-in or Collecting)

Our output is the customers Order number.

Payment page

- Card number
- CVD number

Our output is the confirmation of your payment and a receipt is issued with the clients unique reference number. A map showing the directions to the location is then displayed
