Vanier College

420-431-VA

Term Project

Final Report

Emmy Ea

Jonathan Dimitriu

Project Description

Our term project is a mobile application for a pizza store. It is an online experience for ordering pizza with toppings.

Functional requirements

* Registration
* Login
* Order pizza with/without toppings
* Apply coupon & coupons list
* Checkout
* Locate store
* Contact Us
* Background music

Non-functional requirements

* Snackbars and toast messages for errors
* Slider instead of check boxes
* Contact email

| **User Stories** | | | | |
| --- | --- | --- | --- | --- |
|  | **As a** | **I want to** | **So that** | **Test criteria** |
|  | Buyer | Able to register my email and password | I can login into the application | Checking that passwords entered by the user match and are at least 6 characters long. |
| Buyer | Login safely and securely using the email and password | I can access the application using the correct credentials | Checking that the values entered by the user matches with the values in the Firebase authentication. And showing a toast message to confirm successful login or unsuccessful. |
| Buyer | Be able to close background music | I can mute the background music | Clicking on the volume icon and hearing if the song no longer plays. |
| Buyer | Be able to access menu | I can access the different directories of the application | Verifying that each menu icon displays and redirects the user to the proper activities. |
| Buyer | Select a pizza type | I can pick a pizza type by clicking on grid layout images of the available pizzas | Checking that each pizza is clickable, displays their names properly and redirects the user to their respective order pages. |
| Buyer | Place an order of pizza with toppings | Construct my pizza. By choosing its size and toppings using a slider for size and checkboxes for toppings | Verifying that by clicking order, all pizza sizes and toppings are saved into the Firebase real time database. |
| Buyer | Get total before placing an order | I can see my total before I place an order | Verifying that the total is displaying on the TextView. |
| Buyer | View my pizza orders on my cart | I can see my ordered pizzas before checkout | Checking that the cart displays all the list of pizzas added within the Firebase real time database. |
| Buyer | Get total of all pizzas | I can order more than one pizza and get their total | Verifying that the total TextView reflects the total amount of all pizzas in the Firebase real time database |
| Buyer | Apply a coupon to my total | I can get a discount on my purchase | Verifying that coupon discounts are applied to the total. And displaying on the TextView. |
| Buyer | View coupons | I can see a list of coupons to use | Checking that coupons are displayed |
| Buyer | Locate the stores using my location | I can locate the nearest store from my location | Verifying that when a user inputs their location and destination, they are shown a google maps guide. |
| Buyer | Contact the pizza store by their phone number | I can call the pizza store | Checking that clicking the store number, users have access to the phone dial. |
|  | Buyer | Able to access the stores social media websites | I can view social media websites for the pizza store | Verifying that by clicking on the FAB, users are directed to a website. |

Individual roles and responsibilities

Frontend & Backend: Emmy Ea

Backend & Testing: Jonathan Dimitriu