

Final documentation

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Use cases

Create account: Unregistered admin inputs name, email address, password to create account.

Log into Account: Admin inputs email address and password or logs in with google.

Create category: Admin inputs category name.

Update category: Admin updates category by inputting category name.

Delete category: Admin deletes category.

View category: Admin views category name.

Create menu item: Admin inputs title, category, image, description, and price.

Update menu item: Admin updates menu item details by inputting title, category, image, description, and price.

Delete menu item: Admin deletes menu item from list of items by clicking on delete button.

View menu items: Admin views the title and price all of menu items.

View menu item: Admin views title, category, image, description, and price of the item.

Search menu item: Admin searches for menu item by entering name in the search field.

Logout: Admin clicks logout.

View menu items: User views title, price, category, image of the menu items.

View menu item: User views title price, category, description, image of the menu item.

Add items to order list: User clicks on a add to order.

View orders: Admin views the username and selected menu items by the user.

Delete order: Admin deletes the order.

View selected items: User views the selected menu items name and price.

Software Architecture Document

This document is the overview of the system using different views to understand high level design and decisions of the system.

The views used in the architecture document are:

- Logical view
- Deployment view
- Use case view

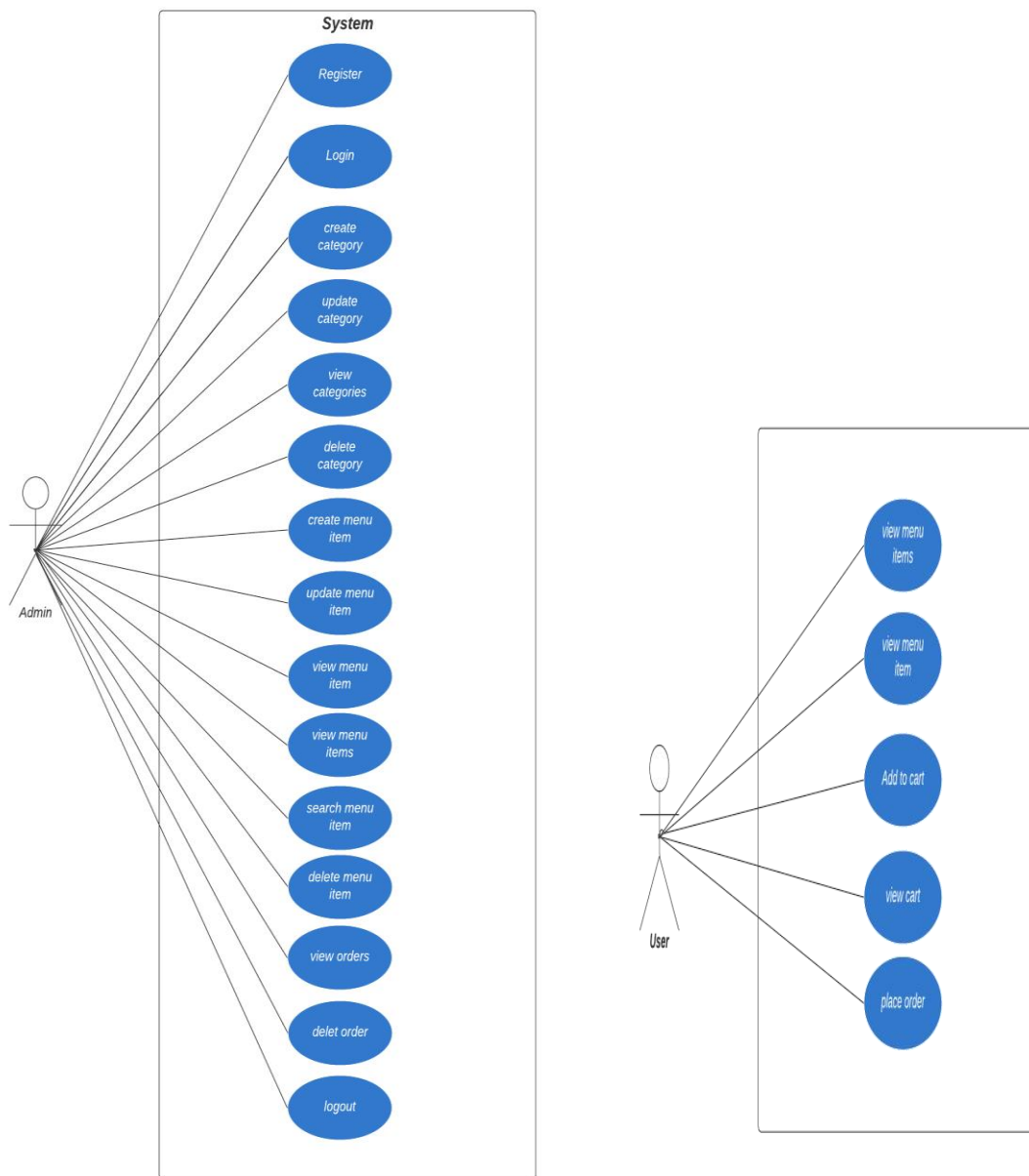
Architectural goals and constraints

The purpose behind developing this application is to make menu system in restaurants fully digital. There is a web component and an android component for this project. Restaurant owner can add all the menu items their descriptions on web component. Customers can restaurant menu in their mobiles and place orders.

- Registration and login
- Admin should successfully create category and menu items.
- User should see all the menu items created by admin.
- User selects menu items and add to list.
- User should successfully place order.
- Admin should see orders placed by the user.

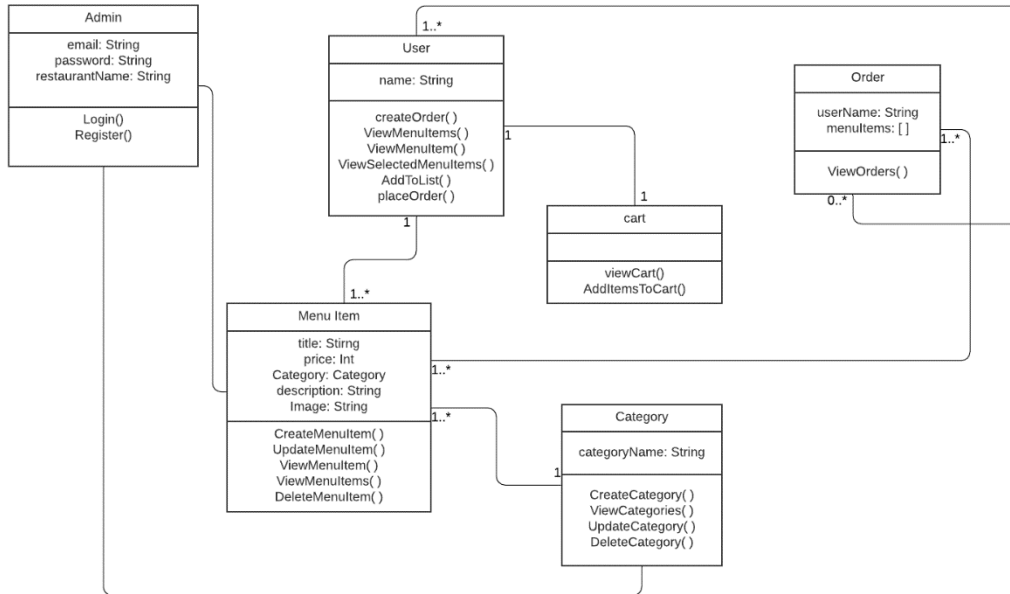
Use case view

The use case view represents the functional overview of the system with the help of UML use case diagram.

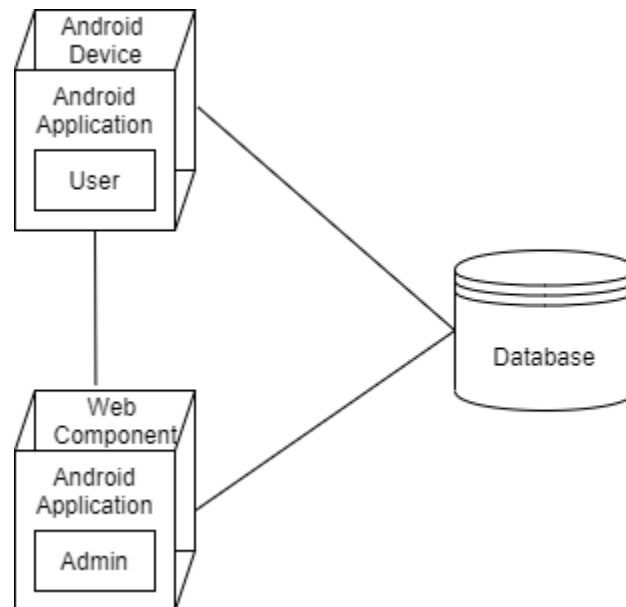


Logical View

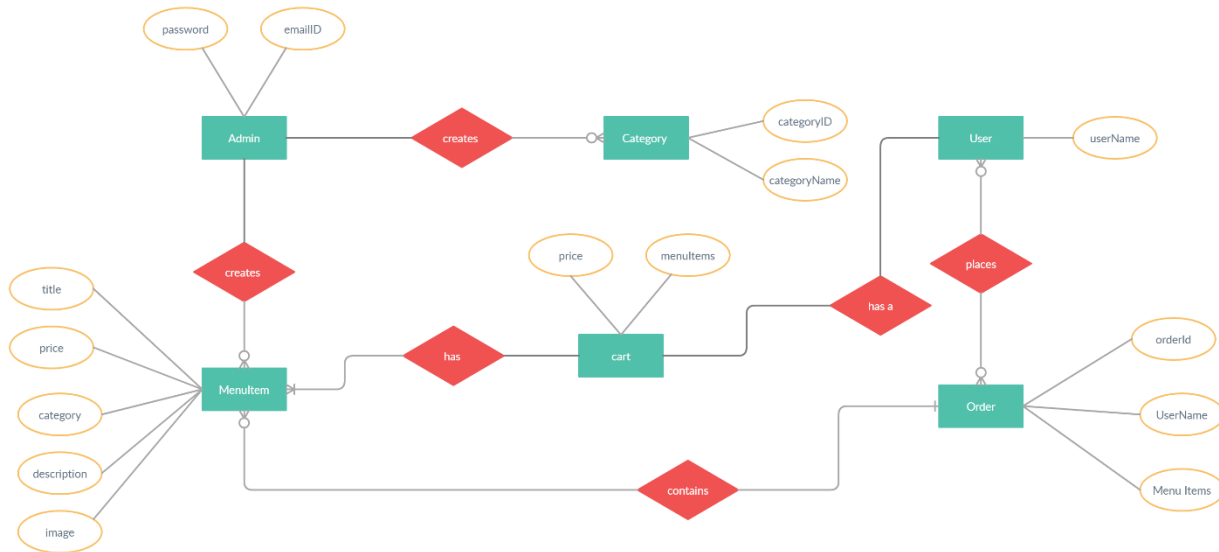
The logical view has the class diagram of the system. It shows the functionality of major components of the system.



Deployment view



Entity Relation Diagram



Deployment instructions

Web application instructions

Text editor: Visual studio code

Angular needs node.js. Node has Node package manager, which is required to install Angular CLI. Download npm from <https://nodejs.org/en/>.

Command Prompt

```
Microsoft Windows [Version 10.0.18363.1016]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\priya>node --version
v13.3.0

C:\Users\priya>
```

Command Prompt

```
C:\Users\priya>npm --version
6.13.1

C:\Users\priya>
```

To install Angular CLI, issue the command: **npm install -g @angular/cli**

```
PS D:\Level4\Capstone project\QuickerMenu> ng --version

Angular CLI

Angular CLI: 9.0.7
Node: 13.3.0
OS: win32 x64

Angular: 9.0.7
... animations, cli, common, compiler, compiler-cli, core, forms
... language-service, localize, platform-browser
... platform-browser-dynamic, router
Ivy Workspace: Yes
```

To install node modules run **npm install** command in the project file

To run the project run **ng serve** command.

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS D:\Level4\Capstone project\QuickerMenu> ng serve

chunk {main} main.js, main.js.map (main) 168 kB [initial] [rendered]
chunk {polyfills} polyfills.js, polyfills.js.map (polyfills) 150 kB [initial] [rendered]
chunk {runtime} runtime.js, runtime.js.map (runtime) 6.15 kB [entry] [rendered]
chunk {styles} styles.js, styles.js.map (styles) 2.09 MB [initial] [rendered]
chunk {vendor} vendor.js, vendor.js.map (vendor) 6.2 MB [initial] [rendered]
Date: 2020-08-15T20:32:15.050Z - Hash: 173fe1dc05bb93f941cb - Time: 13249ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
: Compiled successfully.
```

Project will be running at port <http://localhost:4200/>

Android Application Instructions

Should have latest version of Android studio.

Project android application will run on Google Pixel 2

Test plan

Test case for Quicker(Client side)							
Test case	Module	Title	Test Steps	Input	Expected Output	Actual Output	Success
1	Customer Login	Customer login with valid data	1.Go to Quicker. 2.Write customer name in the field where it is written enter your name. 3.It should be characters and it can be case sensitive too. 4.After writing your name. 5.Click on go button.	Username ="Sonal", "XYZ" "xyzy"	User should login into the application	As Expected.	Y
2		CustomerLogin with invalid data	1.Go to Quicker. 2.Click on go without writing anything.	Empty	Error: Please enter Your name.	As Expected,	Y
3		Launching Menu	1. Login using your name with valid data.	Successful Login	Main Page. Shows menu.	As Expected.	Y
4	Item Details	Items Detail	1.Login using your name with valid data. 2.Represent menu items. 3.Click on any item.	Click on item you want to see.	Show the item you clicked with descrip	As Expected.	Y
5	Add to Order	Adding item to the order	1.Login using your name with valid data. 2.Click on the item you want from showed menu. 3.After seeing the item click on Add To Order.	Add to order.	Add the item in order list.	As Expected.	Y
6	Back to List	Going back to list	1.After seeing the item from the menu or. 2. After ordering one item you want the other one. 3.Then click on back to list.	Back to list.	will take you back to the list (Main Page	As Expected.	Y
7	Check Out	Check Out	1.Login using your name with valid data. 2.Click on the item you want to order or see. 3.After selected items click on Check out.	Check out.	It will show you order list.	As Expected.	Y
8	Place Order	Placing Order	1.Login using your name with valid data. 2.Click on the item you want to order. 3.Add that item in the order list. 4.Click on check out for checking out. 5.After seeing your ordered items. 6.Click on Place order.	Place Order.	It will place your order.	As Expected.	Y

Test case for QuickerMenu(Admin)						
Test Case	Module	Title	Test Steps	Input	Expected Output	Actual Output
1	Login	Entering invalid username and password.	1. Go to Quicker Menu. 2. Enter invalid Admin username and password in the field. 3. Hit on login button	Username = "sonal", Password = "HiHello"	Admin should not be able to login into the application.	As Expected.
2		Entering valid username and password.	1 Go to Quicker Menu. 2 Enter valid Admin username and password in the field. 3 Hit on login button	Username = "s@gmail.com" Password="SS1234"	Admin should be login into the application.	As Expected.
3		Trying to login without entering username and password.	1.Go to Quicker Menu. 2. Hit login without entering anything	Username and password should not be empty.	Message: Username and password cannot be empty.	As Expected.
4	SignUP	Signing up without a valid email and entering a weak password.	1.sign up for new account. 2.Hitting sign up button without a valid password.	Email= "sss" Password=" weak"	Message: Email Id is not valid, and password is too weak.	As Expected.
5		Signing up with a valid email and entering a strong password.	1.Clickig on sign up for new account. 2.Hitting enter with entering a valid email and a strong password.	Username = "sonal@gmail.com" Password = "IamAStrong743"	Successfully created an account	As Expected.
6	Menu	Menu Item Activity	1.After successful login, click on menu item	Menu Items	Should successfully open menu items	As Expected.
7	Categories	Categories Activity	1.After successful login, click on menu item	Categories	Should successfully open Category wise menu items	As Expected.
8	Orders	Orders Activity	1.After successful login, click on Orders	Orders	Should be able to check the orders placed by the customers.	As Expected.
9	Logout	Logout	1.Going to the Menu 2. Selecting logout option	Logout	Should bring you back to Login Activity	As Expected.