

CS442 Fall 2016 Project Phase 2.3



FeedBack

November 13, 2016

Group 5

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Revision History

Version	Date	Author	Comments
0.1	10/9/2016	PJ	Draft
0.2	10/16/2016	SS	Initial screens and transitions
0.3	10/23/2016	SJ	UI Prototype Created
0.4	10/23/2016	All	Review notes added
1.0	10/23/2016	SJ	Final Version
1.1	10/25/2016	SJ	Add work assignment
1.2	10/27/2016	PJ	Add UI screen transitions
1.3	10/25/2016	SS	Add design of application
1.4	11/04/2016	SJ	Update Tasks Updated NewStore UI
1.9	11/13/2016	All	Added Test cases
2.0	11/13/2016	All	Review and bumped the version number of the document

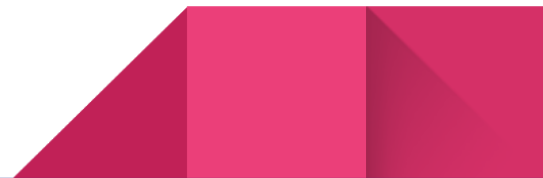


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Purpose

The objective of this report is to summarize the plan for our design and implementation of our android application, **FeedBack**.

This is a live document and will be updated for each phase.

Overview

This is an era of customer engagement. The core business values lies in the satisfaction of the customers. In order to boost the value of the restaurant industry we provide an application to the restaurant owners to understand their customers and increasing customer base by boosting customer engagement.

Food and Beverage industry is highly unorganized and fragmented, which makes it very difficult for restaurant owners to understand customer needs and fulfill accordingly.

For running any service, it is most important to know if the customers are satisfied with the service offered. Hence, introducing the feedback system .

Application Requirements

Min SDK Version : 21

Google Play Services v.9.6

Features/Requirement List

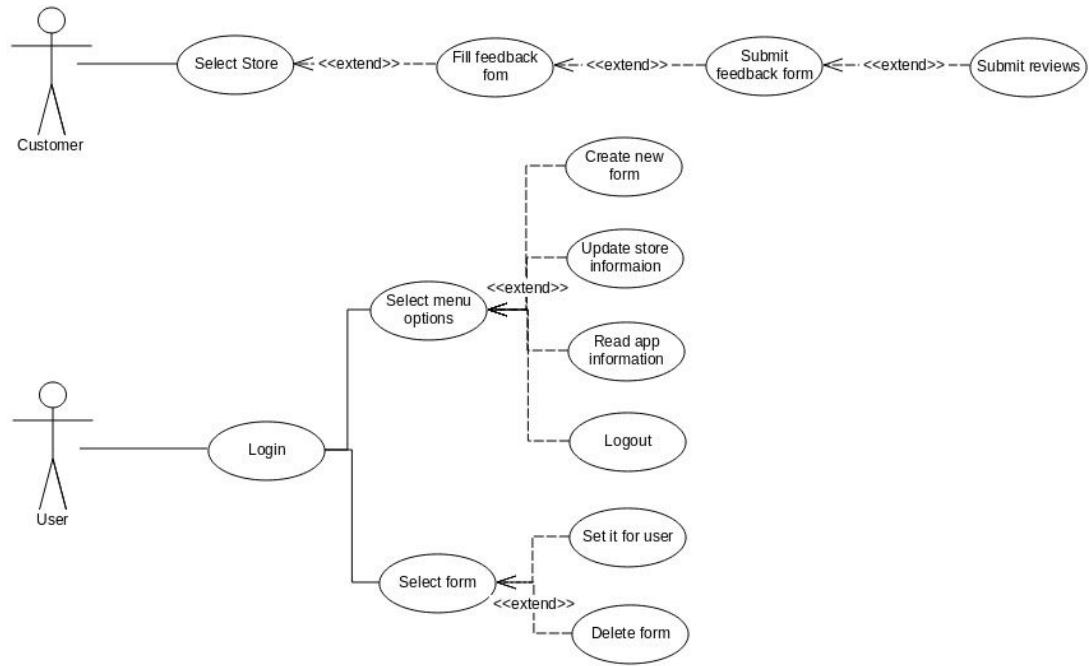
Must have:

1. Create account using Google or through email address
2. Change profile settings
3. Ability to create new Store
4. Default feedback form for all stores
5. Ability to add new feedback form to a store
6. Go directly to the location of the store on Map
7. Notifications to be sent to owner of stores after successful completion of feedback
8. Users can add photos, provide feedback and rate the store

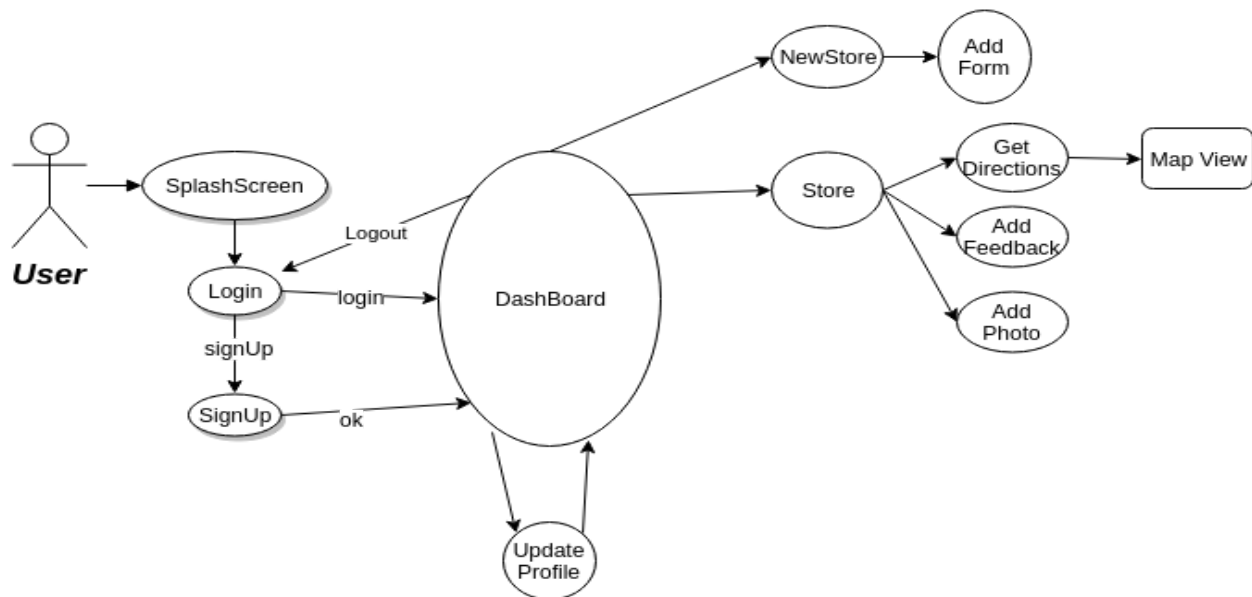
Nice to have:

1. A grievance redressal system for store (Ticket System)
2. A chat system to engage between store owners and users

Use Case Diagram



User Interface



1. When user first opens the app, a splash screen is displayed after which the **Login** screen will be displayed
2. User can register with email address or login through Google Sign In.
3. After the user is Logged in, a **Dashboard** of all the stores is displayed in a grid.
4. In the navigation drawer of the dashboard user can:
 - a. Update profile

User can update Name, profile picture and can change password through the **My Profile** page

- b. Create a new store

User can create a **New Store** to be included in the dashboard

- c. See previous chats

User can chat with other users or with the owner of the stores through the **My Chats** feature

- d. See previously created tickets

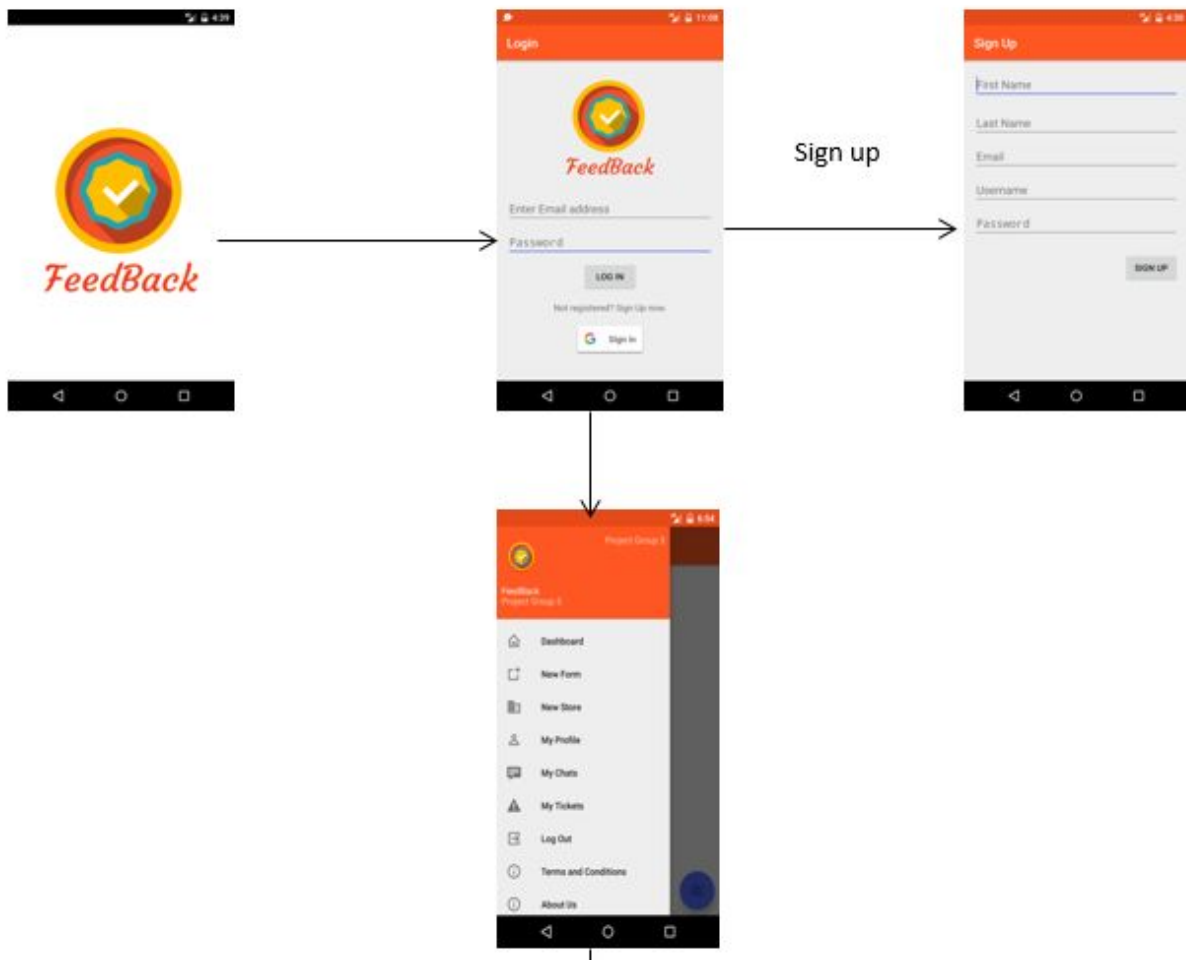
If a user wants to file/see a grievance, he/she can use this link to goto the **My Tickets** page

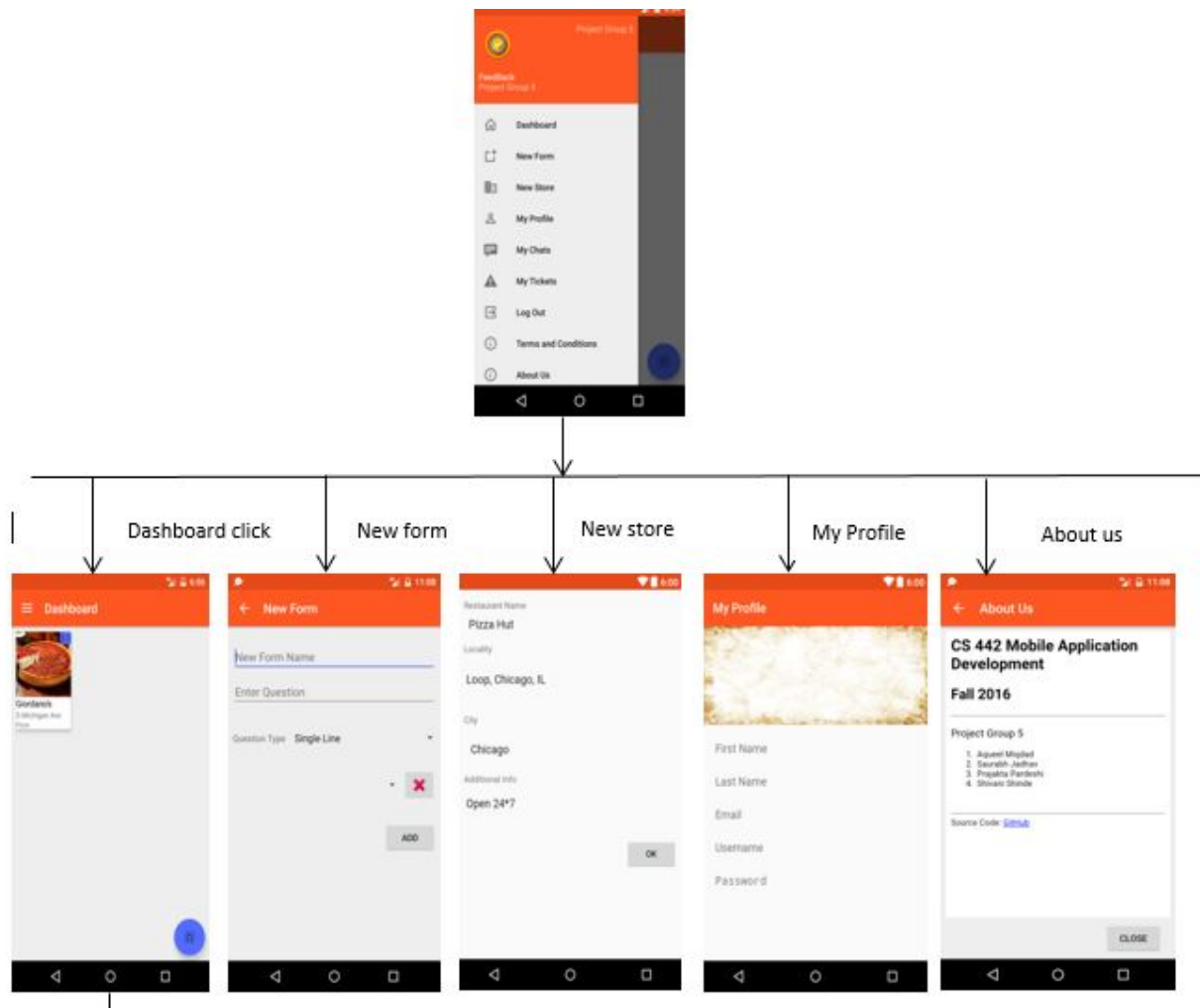
- 5. The **Dashboard** page will display all the stores that are available. Clicking on which will give the **Store** page
- 6. On the **Store** page the details of the store are displayed. Users can
 - a. Add Photo
 - b. Give Feedback
 - c. Rate the place

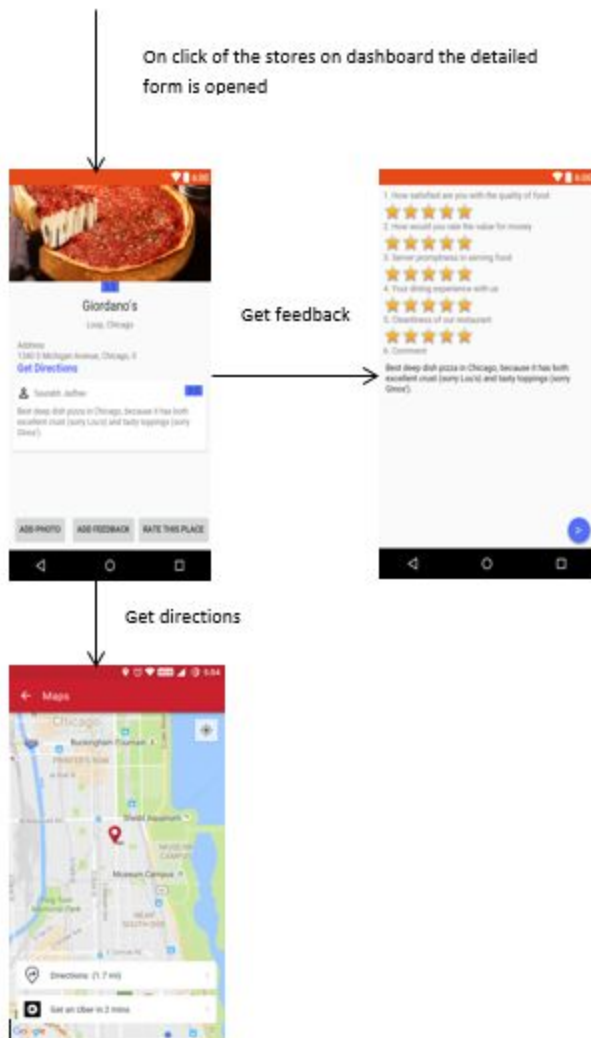
The photos that are added will be displayed on the top of the page and will be scrollable

- 7. Clicking **Add Photo** will open the system photo image picker through which user can either add an existing photo or click a new one
- 8. Clicking **Add Feedback** will open the Feedback page that will be the default one or the owner added one
- 9. Clicking **Rate this place** will just open a rating dialog on which user can rate the place on a 5 point scale.

UI Transitions







Milestones

ID	Description	Responsible	Date	Status	Comment
1.	Topic and feature list	PJ/All	10/09/2016	Completed	
2.	User interface design	SS/All	10/16/2016	Completed	
3.	Elevator pitch	PJ/All	10/22/2016	Completed	
4.	UI prototype	SJ/All	10/23/2016	Completed	
5.	Design Specification	All	10/30/2016	Completed	
6.	Build Project	All	11/06/2016	In Progress	
7.	Testing	All	-	Not Started	
8.	Final Release	All	-	Not Started	



Work Assignment

For Phase 2.1

Aqueel Miqdad	<ol style="list-style-type: none"> 1. UI Design: Login/SignUp/My Profile 2. Assist Saurabh in completing the New Feedback form UI
Prajakta Pradeshi	<ol style="list-style-type: none"> 1. UI Design: Get Directions/ New Store 2. Assist Shivani in completing Store and Dashboard UI
Saurabh Jadhav (Project Manager)	<ol style="list-style-type: none"> 1. UI Prototype 2. UI Design: New Feedback form/ My Stores 3. Backend Design
Shivani Sanjay Shinde	<ol style="list-style-type: none"> 1. UI Design: Store/Dashboard

For Phase 2.2

Assigned To	Tasks	Status
Aqueel Miqdad	<ol style="list-style-type: none"> 1. UI Build: Login/SignUp/My Profile 2. Assist Saurabh in completing the New Feedback form UI 	<p>Completed</p> <p>In Progress</p>
Prajakta Pradeshi	<ol style="list-style-type: none"> 1. UI Design: Get Directions/ New Store 2. Assist Shivani in completing Store and Dashboard UI 	<p>Completed</p> <p>In Progress</p>
Saurabh Jadhav (Project Manager)	<ol style="list-style-type: none"> 1. UI Prototype 2. UI Build: New Feedback form/ My Stores 3. Backend Build 	<p>Completed</p> <p>In Progress</p> <p>Completed</p>
Shivani Sanjay Shinde	<ol style="list-style-type: none"> 1. UI Build: Store/Dashboard 	In Progress

For Phase 2.3

Assigned To	Tasks	Status
Aqueel Miqdad	3. UI Build: Login/SignUp/My Profile 4. Assist Saurabh in completing the New Feedback form UI	Completed Completed
Prajakta Pradeshi	3. UI Design: Get Directions/ New Store 4. Assist Shivani in completing Store and Dashboard UI	Completed Completed
Saurabh Jadhav (Project Manager)	4. UI Prototype 5. UI Build: New Feedback form/ My Stores 6. Backend Build	Completed Completed Completed
Shivani Sanjay Shinde	2. UI Build: Store/Dashboard	Completed

Prototype

SplashScreen

This is the splash screen that will be displayed when the app is started.

Based on the login identity two operations are possible after the screen is displayed

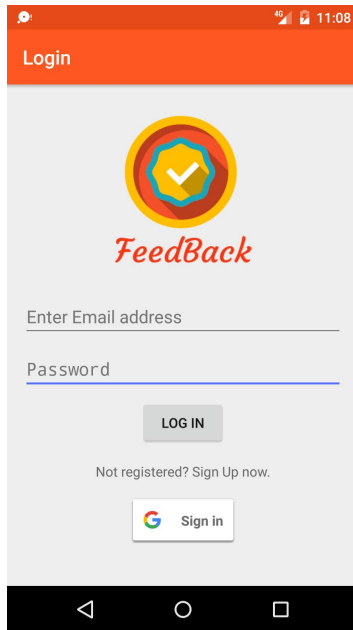
1. If a user has previously logged in, it will directly display the Dashboard
2. Else it will display the login page



Login Screen

Sign in using Google sign in or through registered email address.

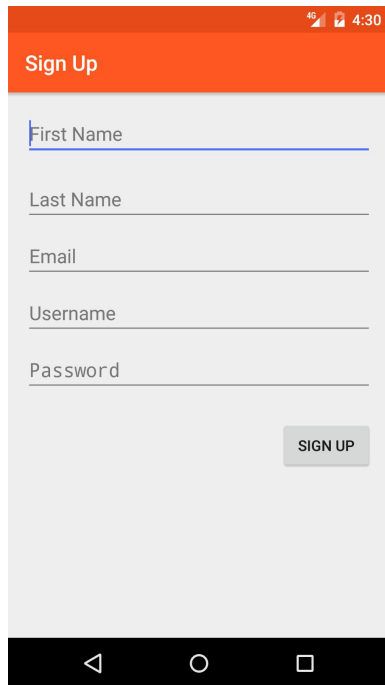
Login uses Firebase library for authenticating users



Sign Up

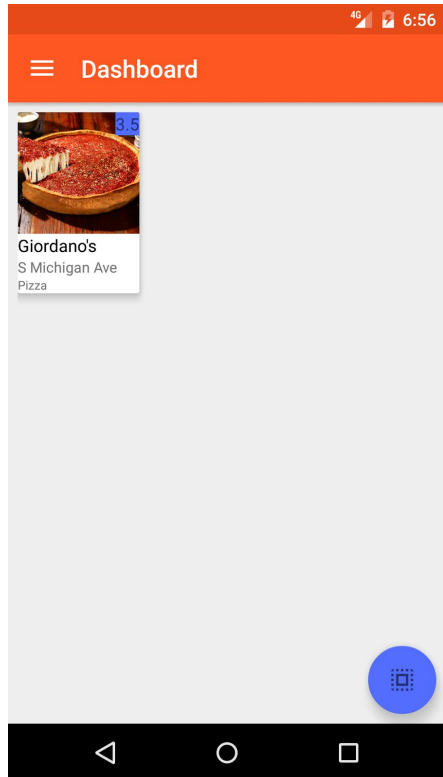
Sign up stores the user fields in a Firebase based real time database

After user signs up, dashboard is displayed



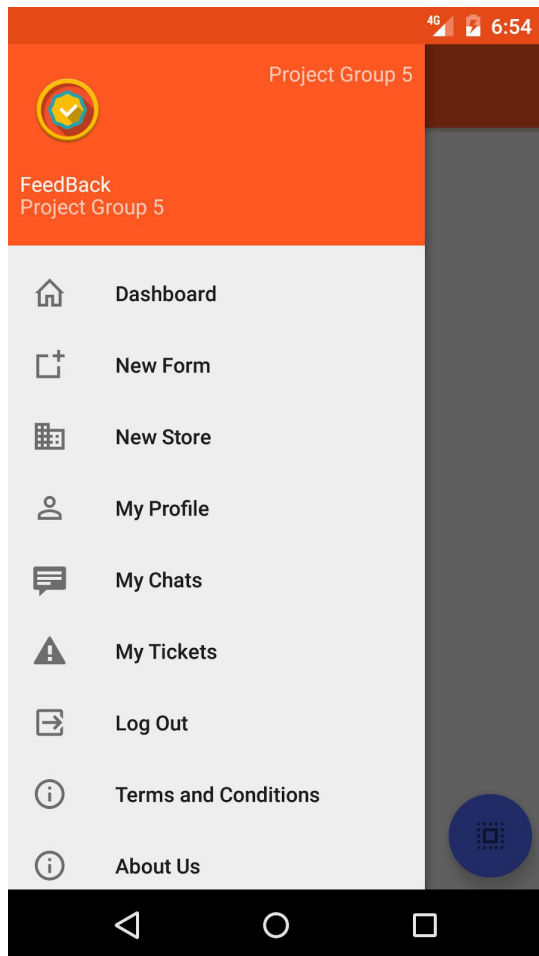
Dashboard

This is the home screen of the app. This will list all the stores with snippet of information like rating, address and type



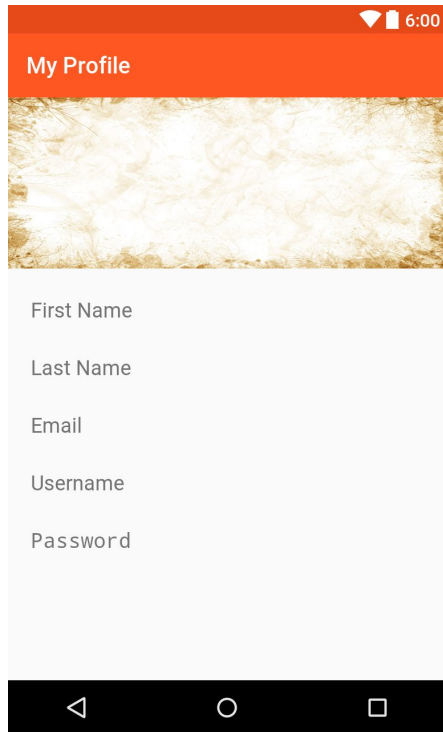
Dashboard Navigation Drawer

Swiping from the left we get the Navigation drawer from which we can navigate to different parts of the application



My Profile

Used for updating user profile



My Profile

First Name

Last Name

Email

Username

Password

New Store

Once a new store is added it will be available in the dashboard

New Store

Drop a pin to save Coordinates

Google

W 18th St
NEAR SOUTH SIDE
LOWER ST SIDE
S Halsted St
S State St
BURNHAM PARK
BRONZEVILLE

I-90
I-55

10:31

Please enter store name

Please enter address

Location

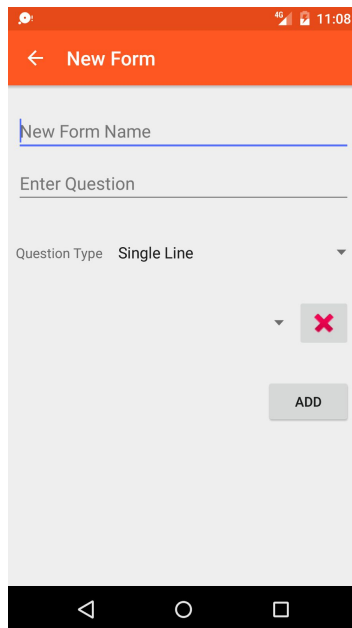
Zipcode

Phone Number

Email ID

New Form

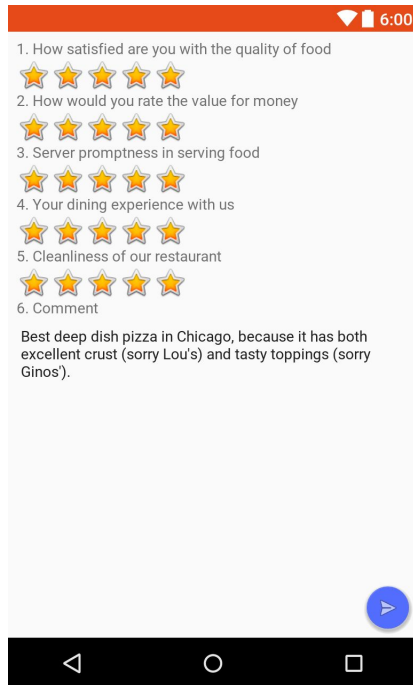
Used for creating custom form for customer feedback with multiple options like checkbox, radiobutton, rating, single/multi line text etc.



The screenshot shows a mobile application interface for creating a new form. At the top, there is an orange header bar with a back arrow and the text "New Form". Below the header, there is a text input field labeled "New Form Name". Underneath that is another text input field labeled "Enter Question". Below the question field, there is a label "Question Type" followed by a dropdown menu currently set to "Single Line". To the right of the dropdown is a red 'X' icon. Below these elements is a grey button labeled "ADD". The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps icons.

Give FeedBack

The custom form created can be filled through this screen.



The screenshot shows a mobile application interface for providing feedback. At the top, there is an orange status bar with a Wi-Fi icon, a battery icon, and the time 6:00. Below this, the form is displayed on a light gray background. It consists of six numbered items, each with a five-star rating system (yellow stars with black outlines). The first five items are: 1. How satisfied are you with the quality of food, 2. How would you rate the value for money, 3. Server promptness in serving food, 4. Your dining experience with us, and 5. Cleanliness of our restaurant. The sixth item is 6. Comment, which has a text input field. Below the text input field, there is a blue circular button with a white right-pointing arrow. At the bottom of the screen, there is a black navigation bar with three white icons: a back arrow, a circle, and a square.

1. How satisfied are you with the quality of food
★ ★ ★ ★ ★

2. How would you rate the value for money
★ ★ ★ ★ ★

3. Server promptness in serving food
★ ★ ★ ★ ★

4. Your dining experience with us
★ ★ ★ ★ ★

5. Cleanliness of our restaurant
★ ★ ★ ★ ★

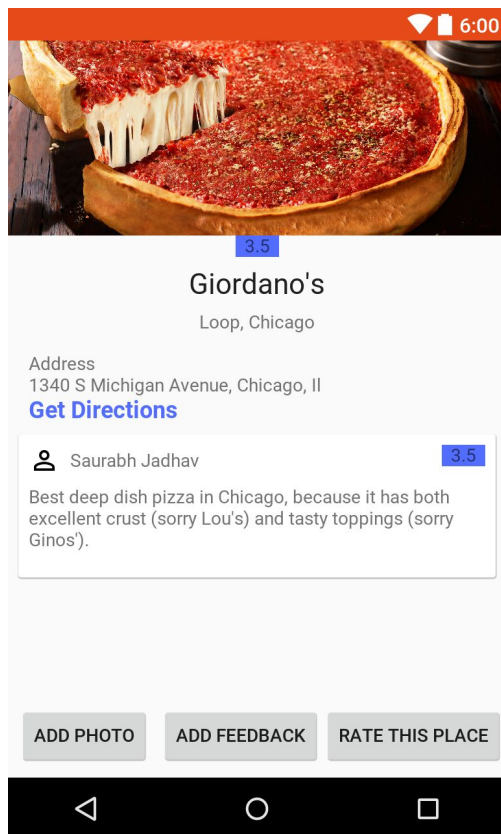
6. Comment
Best deep dish pizza in Chicago, because it has both
excellent crust (sorry Lou's) and tasty toppings (sorry
Ginos').

Store

Each business has a page dedicated to it, where we can get the address, average user ratings and user feedback.

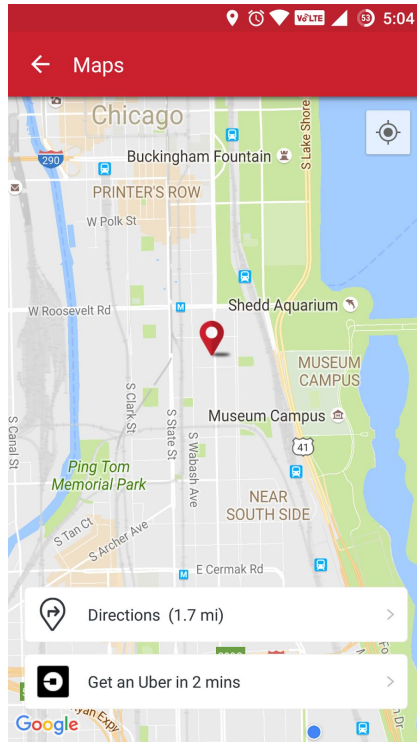
Also users can add photos for the store.

Previous user feedback are also displayed on this page



Get Directions

Clicking on the “Get Directions” link on the store activity will open a MapView showing the location of the store on Map



About Us

General information about the developers



Test Cases

Module: Login					
Test Case Id	Test Case Description	Execution Steps	Observation	Expected Result	Result
1	Splash Screen Displayed on installation/initialization of the app	Install/launch the Feedback application	Splash screen is displayed	A Splash screen with icon is displayed	Pass
2	Login	<p>After the splash screen the next page will have sign in/ sign up option</p> <p>If a first time user then the user will have to sign up.</p> <p>If user has already been registered sign in option can be used.</p>	<p>When the user clicks on sign up option then the screen displays for user information i.e. First name, last name, email, username, password.</p> <p>For sign in they are presented with the edittext to enter email and password.</p>	<p>For the sign up page, user details is entered.</p> <p>For sign in email and password is entered</p>	Pass
3	Successful sign up	After entering the user details user will click the sign up option.	If the data entered by user is valid and the email ID is validated then user data should be stored in the database and it	User has been registered.	Pass

			should become a registered valid user.		
4	Successful login	Enter valid user details on the login page.	On entering wrong user credentials, a message is displayed indicating that the user has entered wrong credentials	On entering wrong user credentials, a message should be displayed indicating that the user has entered wrong credentials	Pass
5	Automatic Login subsequent to the first successful login	In the first app	The user is redirected to the Dashboard page.	The user doesn't have to enter the credentials after the first time	Pass

Module: MyProfile					
Test Case Id	Test Case Description	Execution Steps	Observation	Expected Result	Result
1	Open MyProfile	Open the dashboard activity Click My Profile from the navigation pane	My Profile page is opened	My Profile page should get opened	Pass
2	Change Display Name	Change the display name Click save	Name is changed	Name is changed	Pass
3	Change Profile picture	Click onn the profile image	Profile picture is changed	Profile picture	Pass

		Select the image from the Gallery Click Save		should changed	
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Module: MyStore					
Test Case Id	Test Case Description	Execution Steps	Observation	Expected Result	Result
1	Open MyStore	Click MyStores on the Navigation Pane	List of stores owned by User is displayed	List of stores owned by User is displayed	Pass
2	Click Store in List	Click any store that is displayed in the MyStore Page	Edit Store activity is opened with data filled in	Edit Store page is opened will all the details needed to update the store data	Pass
3	Click Save Floating action button on Edit Store	Click Save Floating action button on Edit Store	Toast message is displayed "Store Updated"	Toast message is displayed "Store Updated"	Pass
4	Add Store	Click "+" floating action button on MyStore activity	New Store page is opened	New Store page is opened	Pass
5	Select Location	Click on the map region	A pin is dropped at the touched location	A pin is dropped indicating	Pass

				the store location	
6	Save store	Click on the save floating action button	A toast message is displayed "Store Saved"	The store will be saved with the owner being the user	Pass

Module: New form

Test Case Id	Test Case Description	Execution Steps	Observation	Expected Result	Result
1	Open New Form	Click New Form on the Navigation Pane Enter the form name	New form page is opened	New form page should be opened	Pass
2	Add Simple text	Type the question name Select Simple Text from question type Click Add Question	Toast is displayed "Question Added"	Question is added to the form	Pass
3	Add Radio Group	Type the question name Select Radio Group from question type Add the options for the control Click Add Question	Toast is displayed "Question Added"	Question is added to the form	Pass
4	Add Checkbox	Type the question name	Toast is displayed "Question Added"	Question is added to the form	Pass

		Select Checkbox from question type Add the options for the control Click Add Question			
5	Add Dropdown	Type the question name Select Dropdown from question type Add the options for the control Click Add Question	Toast is displayed "Question Added"	Question is added to the form	Pass
6	Add Rating	Type the question name Select Rating from question type Click Add Question	Toast is displayed "Question Added"	Question is added to the form	Pass
7	Select Preview	Click Preview floating action button	The form is generated and displayed in new activity	The form is generated and displayed in new activity	Pass
8	Save form	Click Save button on New Form to the save the generated form	form is saved	form is saved	Pass