CSC306: Writing Mobile Apps:

Assignment 1

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**Design: “Restaurant Review” app**

Before starting the actual design of my android application, I put down my ideas in a diagram so I could understand better steps to follow.

My idea of a Restaurant Review application is a simple one as I believe there is no need for such an application in the current time we live in (everyone follows reviews on google). This is my design for a restaurant review application. “Restaurant Review” is the actual name of the application as well.

The application will have:

1) The log in page containing:

- the logo of the application which is not subject to copyright as it’s created by me on a private website

- two boxes for the user to input their username and password (if they have an account)

- a remember me check-box (extra feature), this feature will help the user to save time every time he closes the app and reopens it by remembering his credentials.

- 3 buttons:

- Logging in button

- Continue as guest button

- Signing up button (extra feature) this will provide the new users to create a new account, as it was not specified in the assignment specifications file. I assume that this is one of the most important features any app should have, even if it might be considered a trivial one.

2) Registration page in case the user wants to create an account by pressing the sign-up button. This page will contain:

- 3 boxes for the user to input their information (username, password, email address)

- the registration button that will create his account and take him to the user’s profile page

3) Main page of the application will be where the user can choose to manipulate what he wants to do. This page will contain:

- Add review button that will take the user to the “Write your review page”

- See reviews button that will display all the reviews

- Sign out button (extra feature), this feature will allow the user to exit his account

- Share on social media extra feature which will be implemented on the next stage of the assignment. This feature is very important as everyone is using social media nowadays. Good for sharing your thoughts on restaurants with others.

4) Add review page is the page where the user can add a review. This will contain:

- 5 boxes for the user to input location, name, selecting rating, insert picture, comments

- Submit button that will add the review to the list

5) User list page will be designated specifically for registered users where they will see all the reviews and allow the users to modify their own. This page will contain:

- a list of restaurants reviews

- button to edit a review of their own

- button to expand a review in order to see all the information about it

6) Guest user list page will be similar to the registered users page except that they won’t be able to edit any review, because they cannot add a review in the first place. This page will contain:

- a list of restaurants reviews

- button to expand a review in order to see all the information

Overall, I tried to keep the app consistent, on point and simple. I consider that an app like this should be very fast paced and straight to the point. I used various background images that are subject to copyright (I will attach the reference for each one of them), simple and warm colours not to be too flashy and a simple design so all users regarding of age or knowledge can understand the range of the app capabilities.

Diagram that will explain my initial design:

Diagram

Description automatically generated

Please see the pictures for the design attached at the end while reading this next part of the assignment

From top left picture where the start app you can see the GUI the user will see when the app is launched. Here I used <ImageView, to set up the logo of the app. <EditText to be able to create two boxes for the user to enter his credentials, a hint is included to let him know what and where to enter. <CheckBox is being used to create the checkbox for the remember me feature and <Button for the buttons to be pressed when logging in, continue as guest or signing up. Drawable classes are created to manipulate the shape and colour of the buttons, boxes and texts.

Top row second picture is the GUI for the registration in case the user wants to create an account. Here I kept the same background and implemented the same kind of design to make it constant.

Top row third picture is the main page for the user where he can choose to add a review, see the existing reviews or sign out. I want to implement the option to share reviews of restaurants on social media as an extra feature.

Second row, first picture is the GUI for the adding review page, where the user will be able to insert picture, add comments and rate the restaurant.

Second row, last two pictures show the restaurant review lists, one is for the user where he will be able to add edit a review through the edit button. And, the last one is a list for a guest user where he will be able only to expand existing reviews without manipulating them.

In most of my slides I’ve used the same kind of activities, only modified, extra features will be implemented to work in the next stage of the assignment.

Please see at the bottom of the assignment screenshots of the XML code.

All background pictures are subjected to copyright, but I do not inted to use them as a way of making money. Reference link: https://www.pinterest.co.uk/sherihanheiba/food-wallpaper/.

A picture containing text, indoor, different, screenshot

Description automatically generatedA picture containing text, indoor, screenshot, several

Description automatically generatedGraphical user interface, application, chat or text message

Description automatically generated

A screenshot of a cell phone

Description automatically generated with medium confidenceA screenshot of a phone

Description automatically generated with medium confidenceA screenshot of a phone

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Graphical user interface

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