

Team Registration App

COP 290

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Basic UI and Features

- First activity is App's home page which gives us three options which are as follows-
 - About page
 - Start Registration process
 - Exit the app.
- About page gives complete description of the App and the designing team of the app.
*It also gives a link to the course homepage
- By clicking register button we go into login activity where we have linear layout of textviews and a button that sends data to the server and processes the response.

Basic UI and Features

- On clicking Register Button in Login Activity
 - If your team has been successfully registered it goes to success activity where it gives an option to go to home page if you want to register again or exit the app.
 - If your team doesn't get registered it goes to failure activity where you get a button to try again, pressing which you reach home page.
- Scroll view has been used which avoids cutting of page when changed from portrait to landscape mode.

Errors Handled

- If any of mandatory fields is left empty.
- A member's name cannot have a number in it.
- Many errors are handled in the case of Entry No like-
 - It can be From Year 2010 to 2014.
 - Department code can be both uppercase or lowercase alphabets.
 - Next Digit Which Specifies Btech/Dual Degree can be from 1-7.
 - Next digit can only be 0.
 - It has to followed by 3 Digits from 0-9.
- If only one of the two fields for member 3 is filled.

High Level Functions Used

parseJSON

This function takes Json response and parses it to get the response message and response success.

registerTeam

It is called when you press register button in login activity where it checks input and sends data by making a string request and returning a hashmap as a parameter, after this it receives Json response which is processed by parseJson and shown by showResponse function.

References

- <http://developer.android.com/training/volley/index.html>
- <https://www.simplifiedcoding.net/>
- <https://www.overleaf.com>