

Project Title: Connecting Canteens (an android based application)

I want to connect all the campus canteens under one application.

The application will serve the purpose of providing latest menu of all the canteens and the user could order with the help of it and then personally collect his order after 10-15 minutes when it's ready. It saves some time for us during exams when we don't want to wait for the order to be completed or when we are lazy enough.

The app will store the menus of all the canteens which will be managed by the respective canteen managers and thus the list will be constantly updated with latest dishes and prices unlike what the menu at canteens show.

Every canteen will have menu pages from which user can add dishes/items to their order (later on they can modify their order if they wish) and then confirm their order.

Some further development ideas:

If I can complete this within time then I would like to add some features to the app like...

- 1) Users can have online transactions, for which I would have to possibly collaborate with power to pay.
- 2) Users notified of dish of the day (or a particular dish-of-the-day page) managed by the canteens and as per the wish of the owners.
- 3) Managers will be provided with a Crowd bar (a slider in design can be changed later on) with the help of which they can notify the users of the crowd level at the respective canteen and thus they can plan their visit accordingly.
- 4) I will try to add some more in accordance with how the project goes for me.

Timeline:

(It's a very rough timeline as I'm a first timer in app development but I will modify it if required and strive to complete my project and work with dedication)

- 1) Learning Java, PHP, SQL, XML, Photoshop basics (if required).

4th May-16th May (roughly 2 weeks)

- 2) Making a login Page.

17th - 19th May

3) Making a server (learning to make a server).

20th - 23rd May

4) Fetching data from the server.

23rd - 25th May

5) Sending data to the server.

30th May-2nd June

6) Interface making. (Cover Page, Menu design and further animations)

3rd - 9th June

7) Adding canteen data and running of the application and final touchups.
in the remaining time and in between.

Motivation:

I expect to learn a lot of android app development and make an application that can be used by all the residents in IIT Bombay.

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An android app development project under WNCC.