3175\_001

Introduction to Mobile App Dev

Instructor

Padmapriya Arasanipalai Kandhadai (Priya)

Group Members

300358013 Bengisu Gelin

300346378 Ozgen Akgun

Project Proposal

Project#1

PunchMyTime

PunchMyTime is a tracker application focusing on part-time / temporary / on-call types of jobs. In our case worker is working on multiple employees on contract based without a distinct schedule.

The user will be able to track his/her works properly with this application. The application will have the following features:

* Login
* Register / Profile Management
  + User details – name, phone, email etc.
  + Employers details – allows multiple employer entry
  + Hourly Rate – part of employer detail
* Entry Page
  + Company Selection – Spinner from the employers list from database
  + Hours entry – 2 text entries for hours and minutes, user will enter himself how many minutes he/she worked– Then convert it to decimal in hours and use it in calculations – also show the user
* Analysis Page
  + Totals base on customer selection of company, date etc.
  + Pie chart for company ratio on paycheck
  + Line Chart or table for time series
* Gross Paycheck Estimate based on hours and rate
* Bottom Navigation Bar
* Navigation Drawer

Possible Options:

* Hours entry can be done by punch in and punch out button – downside is if user forgets to hit the button, the data will not be true
  + Timer up – progress bar chart with address bar indicator (?) – Ozzy is not clear
* Fragments will/may be used to add modularity – for repeating UI in multiple activities.

Mentioned by Priya but under research:

* Employer perspective – too complex since not all employees have to use our application. Then the employer will not have the full picture of his/hers workforce
* Technical extensions – backend features – Still couldn’t find any features – search ongiong
* Calendar Integration – Gcal Google Calendar API – API integration is above our expertise
* Google login – API - API integration is above our expertise