Course Project – Maggie Simpson Team

# Overall Project Description

The project is a chat application that allows sharing of pictures and comments between all registered members.

Its major functionality is the opportunity to take pictures (“touches”) wherever you go and to share them, the location where they have been taken and your comments on each of them.

Once been submitted each “touch” I visible for all members and they can make comments on it, that become visible for all the others afterwards.

It is just a “Friend’s Touch”.

# Requirements

* **(Up to 15 points)** Use **custom views** and **adapters**. It can be one of the following
  + Custom ListView – used twice along with appropriate adaptors
    - Touches view screen
    - Comments view screen
* **(Up to 9 points)** Use **two** of the following device APIs
  + Camera – used for taking the pictures
  + Geolocation – used for getting coordinates when taking pictures
* **(Up to 9 points)** Use **two** of the following content providers
  + Capture – none
  + Connection – Network provider used for location identification
  + Third-party provider (Facebook, Google, etc…) – Google Maps used for location showing
* **(Up to 9 points)** Use **SQLite** as a data storage – used to store data info about current user
* **(Up to 9 points)** Use some kind of **remote data**. It can be, but not limited to, of the following:
  + WebAPI REST – Used on MS SQL, stored in Appharbour
* **(Up to 7 points)** Service for a background jobs
  + Create a service that performs a background job – notification service checking for newest posts
* **(Up to 9 points)** Touch friendly UI. Fulfill the criteria:
  + Usable UI – touches supported on each screen and item
  + Support multiple device screen sizes – tested on different devices
  + Use fragments – used in many cases
* **(Up to 9 points)** Use notifications to provide feedback to the user
  + Show a message when the user submits data to the app
    - Error message on error – On register, login, message and comment
    - Success on success – On register, login, message and comment
  + Show messages when the state of the app changes – on internet connection Is undefined or none
* **(Up to 9 points)** Use at least four of the following **gestures**: We don’t have that ☹
  + Swipe
  + Fling
  + Pinch close or pinch open
  + Long press
  + Touch or double touch
  + Double touch drag
* **(Up to 9 points)** High-quality code - ОК
  + The application code must be separated into consistent and cohesive modules - ОК
  + The modules must follow the best practices for developing applications - ОК
* (Up **to 6 points**) Validation and Error handling
  + Validation of user input – validate the post comments, pictures, internet
  + Handling access denials, network issues, etc. and keeping app alive validate network issues, http respond