

# Activities log

## Description

This is the activities log for project MHST-UET 2014, Transportation network.

---

## Week 1

**Time:** 23/6 - 30/6

**Subject:** Build plans and research on technologies

### Works:

- Việt:
  - List use cases => Functions of the project
  - Describe in details 5 core use cases
  - Research and choose data store mechanism
  - Initialize Github project at: <https://github.com/MHST-UET/Transport-Social.git>
- Huy, Hiền, Đức:
  - Research on Google App Engine platform, in Java
  - Implement demo application with client(Android) to test and understand mechanism on store, get data on App Engine
- Team:
  - Solve some technical issues about using IDE, SDKs, emulators tools from Google.

### Next week:

- Việt:
  - Finish describing remaining use case
  - Refactor overall plan(which is currently limited and missing many thing)
  - Implement demo
- Huy + Đức + Hiền:
  - Research CURD operations on GG CloudSQL

## Week 2

**Time:** 30/6-6/7

**Subject:** Finish researching, decide tools and technology

### Works:

- Research on ReSTful API, which is used Google App Engine API
- Decided to left other usecase for later, will focus on 5: Upload status, vote, show on map, newsfeed, details
- Decide to use GAE datastore

### Next week:

- Start to implement basic functions: upload traffic status, vote, show on map, newsfeed, details

## Week 3

**Time:** 7/7 - 13/7

**Subject:** Start to implement

**Works:**

- Viet: manage, assign, monitor work from others. Estimate usage bandwidth of GAE, report to mentor the billing plan.
- Huy + Duc: Implement Backend server, endpoint libs for client
- Hien: Implement client GUI, integrate endpoint lib for backend

**Next week:**

- Cont working on those items

## Week 4

**Time:** 14/7 - 20/7

**Subject:** Continue to work on core feature and UI

**Works:**

- The basic back end function is done for status up/list/update feature
  - Decide the data structure
- UI skeleton is done
- Solve problem with library and sync source code between members
- Backend deployed on GAE server
- Create mail group for discussion instead of direct mailing. This will track the email for later
- Use Trello(<https://trello.com/>) for managing task at: <https://trello.com/b/TWKjCL0x/transport-social-map>

**Next week:**

- Implement following modules
  - Show info on map
  - View details status(on map)
  - Up status view

## Week 5

**Time:** 21/7 - 27/7

**Subject:** Continue to work on core feature and UI

**Works:**

- Add library for pull-to-refresh action
- View details for status
- View for upload status
- Refine backend structure
- Add icon for the app

**Next week:**

- Show statuses on map
- Find solutions for vote status mechanism

- Vote up/down for status

## Week 6

**Time:** 28/7 - 3/8

**Subject:** Show status on map and vote mechanism, decide vote method

**Works:**

- Research, it seems it is not possible to cover a part of a road
  - Use marker for the moment
- Vote mechanism:
  - Store at different table, the same for Comments
  - DucLV: deal with this
- UI for user tab: HienBX

**Next weeks:**

- Finish core functions, the deadline is coming guys

## Week 7

**Time:** 4/8 - 10/8

**Subject:** Add Pull to refresh feature on newsfeed, show item on map

**Works:**

- Implement pull to refresh feature to client
- Implement show item on map

**Next weeks:**

- Prepare for vote and comment feature

## Week 8

**Time:** 11/8 - 17/8

**Subject:** Change library Pull to refresh design backend for vote and comment

**Works:**

- Change PtoR lib to XListView
- Design table for vote and comment

**Next weeks:**

- Search on map
- Add comment and vote to backend

## Week 9

**Time:** 18/8 - 24/8

**Subject:** Search on map, restructure backend to add vote and comment

**Works:**

- Add search on map function
- Add tables for vote and comment

- Update Facebook SDK

**Next weeks:**

- Show nearby events, based on distance to current location

## Week 10

**Time:** 25/8 - 31/8

**Subject:** Show nearby events on map

**Works:**

- Show nearby events (based on distance)
- Release a stable(kind of stable) version

**Next weeks:**

- Prepare for testing and deployment

## Week 11

**Time:** 1/9 - 7/9

**Subject:** summary done work, listing un-finished work, prepare for testing and deployment

**Works:**

- Vote and comments functions done
  - Add to client
  - Merged to master branch
- Change Pull-to-refresh library
- List un-finished work:
  - UI design
  - User tabs
  - Direction

**Next weeks:**

- Apply test
- UI Design
- Generate data(member in groups)

## Week 12

**Time:** 8/9 - 14/9

**Subject:** Generate demo data, refine UI

**Works:**

- Generate demo data from team members
- Design UI

**Next weeks:**

- Wrap up project

## Week 13

**Time:** 15/9 - 21/9

**Subject:** Generate demo data, refine UI

**Works:**

- Change News feed design:
  - Remove details status view
  - Add comment popup
- Add view for direction
- Change up stt buttons to movable
- Add compass to map

**Next weeks:**

- End MHST phase

## Week 14

**Time:** 22/9 - 28/9

**Subject:** End MHST phase

**Works:**

- Wrap up documents
  - Manual
  - Activity logs
  - Design
- Tweak UI
  - Change theme color
  - Comments view
  - Font, color in welcome screen

**Next weeks:**

- N.A
- However, we will continue on the project, to release a product that fully functional as we have imagined it should be.
- There are a lot of great features that we were not able to do in MHST period and we hope that we can do it in the future