

SECOND SPRINT REVIEW

The second sprint resulted on the completion of all the user stories, which were written by our team in the beginning of the project. The sprint turn-down chart has improved compared to that of the last sprint's. All the user stories were managed to be finished in time.



TECHNOLOGY STACK

- VanTrack is a mobile application for Android.
- Google Maps API is used for showing locations.
- The code is written in Android Studio environment.
- Remote MySQL database hosted by findik.se server is used for saving the locations.
- PHP Scripts are written for database queries.
- JSON formatting is used for HTTP requests.
- Testing will be implemented using JUnit and Android Instrument Tests

Note: Application works only in real devices, due to emulator's limitations regarding the location 'perception'.

VANTRACK

PRODUCT BACKLOG

User story	Associated theme	Story Points	Business Value	Done
- As a user, I want to see my current location on the map.	Map appearance	2	20	√
- As a user, I want to select the route I want to take.	Route selection	2	20	√
- As a user I want to see the vans which go to my destination, locations on map, so that I can see which one is closer to my location.	Map appearance	7	20	√
- As a user, I want to be able to discern van drivers and regular application users on map, so that I can easily see which vans are close to my location.	Map appearance	1	12	√
- As a driver user, I want to select which route I will be driving.	Route selection	2	20	√
- As a user, I want to know the estimated time a specific van will come, so that I can manage my time accordingly.	Arrival estimation	7	20	√
- As a user, I want my frequently used routes to be saved, so that I do not waste my time reentering them each time I open the application.	User preferences	5	15	√
- As a driver user, I want to state that I am a van driver, so that the users can discern me from other users.	Modes of usage	1	10	√
- As a user, I want to state that I am a regular application user, so that the other users do not get confused.	Modes of usage	1	10	√
- As a user, I want to be asked if I want to share my location with other users.	Privacy	2	15	√
- As a driver user, I want to set my GPS off after my working hours, so that I will have privacy.	Privacy	1	8	X
- As a user, I want to be asked if I want to open my application while I am on 3G.	User preferences	2	5	√

Note: The user story in red was not implemented, since Android does not allow GPS to be disabled programmatically (starting from Android 4.0.0).

PSI

After the second sprint, users are able to select the route which they are going. Two tabs are seen, My Routes and New Route; if the user enters the first time he/she clicks the desired route on the New Route tab. The selected route will be saved on the internal database of the application, so when the user reopens the app he/she can see the previously selected routes on the My Routes tab. This way users can have a quicker access to the desired route. User can change the mode he/she is using the app from the preferences of the application. Moreover, he/she can decide if they want to share their location with other users of the VanTrack application, or enable/disable the use of 3G for the application. Having selected the desired route, the user can see themselves on map. Markers with different colours mark the vans that are going to the user's destination. If clicked over, the markers show the estimated time for van's arrival or if it has already passed 'Missed' message can be read.

'DONE'

- All code developed
 - All unit tests written and passing
 - Map shows correctly the locations
 - Application is pushed in GitHub
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