Retrospective Document
Sprint-<1>

Work & Test Progress

We had 2 main milestones to achieve for this sprint;

a-)   Implementing a middleware on the server side (NodeJS) and separating the project as client&server sides, hence, making the project more secure and organized,

b-)   Integrating GPS and mapping system into our application; to provide location services for items in the store, by which each item will be shown by pinning on Google Maps.

While we have successfully completed milestone b, we were able to complete %90 of milestone a, due to a few unexpected problems but the remaining part will surely be taken care of by the end of the second sprint. All tasks and work packages and their durations, regarding these milestones can be seen in detail from OpenProject, which include operations such as handling HTTP requests from client-side, getting location information from the user, forming appropriate responses at server side for different front-end functionalities etc.

For milestone a,

-We first tested NodeJS locally, trying some basic services in order to gain experience in NodeJS,

-We have sent text-based HTTP requests to the remote server to check whether server-side behaves as intended,

- We have tried uploading images to both server-side, and our DB located at the server-side, decided on storing the image path on DB, and retrieving images based on that path,

-We have sent both image files and related text-based information at the same time, in a multipart HTTP request, parsed the request at the server-side, storing the information extracted accordingly.

For milestone b,

-We tested whether the connection to the Google Play Services was established or not. After that, We ran the application in different locations to check whether the location information our application gets matches the user's current location. They have successfully matched.

-Images of the items uploaded must be converted into clickable tools. We uploaded various images to the application to check everything goes well in all cases (when clicked, image of the item and its location on the map were supposed to be shown on the same page (Intent)),

-Constant translocation for periods of time intervals are made to ensure location information is updated within these intervals (While driving around to check if the location information is updated accordingly in the application we keep the application open).

Team Progress

For this sprint, we have mainly worked as pairs (Süleyman – Efe) , (Emin – Erdem). Süleyman and Efe were responsible for milestone a, while Emin and Erdem worked on achieving milestone b. Even though all members contributed the project equally in this sprint (can be seen from the work package & task distribution from OP and Git commits), Efe and Erdem did not share their workload with their pairs regarding the milestones equally(%40 for them and about %60 for Süleyman and Emin for their respective milestones), since Efe was also responsible for weekly reports and documentations, and Erdem took part on the modifications and adjustments to the front-end part of the code due to the middleware installation and client-server side separation of the project. (modifications such as instead of accessing the DB directly, switching to a request-response architecture)

Left-overs (Backlog)

Due to some unexpected problems on the server-side regarding parsing of multipart HTTP requests (some of the functionality of the parser we were using were not suitable for parsing multipart requests), and some deprecated multipart entity classes in Java(we had to resort to another equivalent class), we were not able complete our milestone on time (%90 of it is completed), we are not able to perform functionalities which involves sending image based datum back to the client-side, but, as mentioned above, all of this will surely be taken care of by the end of the second sprint. On the frontend side there is no backlog, the GPS totally included to the application.

Next Sprint

On the next sprint we'll try to achieve three new milestones which are also criticized by our assistant and supervisor.
1-)User Profile will be included.
2-)Messenger System will be included.
3-)Notifications System will be our third milestone.

Comments

No comments.

Assistant's Evaluation

Assistant's (Team Leader's) comments regarding to this completed sprint.

Supervisors's Evaluation

Supervisor's (Team Leader's) comments regarding to this completed sprint.