

Lessons Learned Report

Project:

A platform of errand delivery Service in the same city based on crowdsourcing model

Date	Version	Editor	Notes
4.28.2019	V1	Congyu Cai	Finish the first version

Lessons Learned Report

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Project Name: A platform of errand delivery Service in the same city based on crowdsourcing model

Project Sponsor: Petteri Kaskenpalo

Project Manager: Huijuan Lu, MingChao Ye

Project Dates: 5.8.2019

Final Budget: about \$34760(in the first year)

1. Did the project meet scope, time, and cost goals?

Scope:

The product has met all the basic function in the scope statement. And Our team's project management may be somewhat rigorous at the beginning, but as the development process, the team members gradually become familiar with the project management process.

Time:

Our group's control over the project was basically consistent with the time point of the Gantt chart.

Cost goals:

Our cost was about \$30,000, which was slightly lower than our original budget. So, our expenses were normal. More details could be seen in *Financial Analysis* and *Profit Analysis*.

2. What was the success criteria listed in the project scope statement?

- Team cooperation and communication is efficient and effective;
- When problems encountered in development or communication, if they cannot be solved, team should ask the tutor for help.
- The team has backup plans;
- The team uses SCRUM management method, which can manage and control the project process well;
- The team completed the project scope statement and Gantt and WBS;
- Periodic inspection of team projects;

3. Reflect on whether or not you met the project success criteria.

Basically, our team met the project success criteria.

-We held two or three formal meetings in a week to discuss the problems encountered and progress. Even during winter vacation, we used Zoom for video conferencing;

-When we encountered difficulties in development and could not be solved by looking for many documents, we seek the help of supervisors and solved the problems;

-In the process of development, because Congyu Cai and Bin Ren were not familiar with the development of Android software, we prepared Plan B, that is, if they encounter difficulties that could not be solved in the development of secret software, they would use Web pages and then use Hbuilder to convert Android executable files (APK);

-Our team was very efficient in assigning tasks and communicating with each other by using Scrum;

-The team completed the writing of project scope statement, Gantt chart and work breakdown structure and other important documents;

-Team projects were regularly inspected once a week by clients.

4. In terms of managing the project, what were the main lessons your team learned?

-Communicate with customers in time

During the winter vacation, our team continued to develop the project without communicating with customers. But at the end of the holiday, we showed the results of our holiday work. However, our customers were not very satisfied with the functionality we have achieved. So, after this, we felt that we needed to pay attention to customers' opinions and ideas. If what we developed is not customers satisfaction, we might spend a lot of time and experience in vain.

- WBS and Gantt Chart need to be well timed

Because we initially scheduled too much time for project documentations, such as charter, project description and so on. This had affected our development time, resulting in some extra functions of our group that have not been implemented.

5. Describe one example of what went right on this project.

Due to the backup plan, our group quickly adjusted the plan during the Android software development process and completed the development of the function as planned. Because of problems with the Android and MySQL versions, the Android we developed could not successfully connect to the remote database. We spent a week on this issue.

After a group discussion, we decided to use the backup plan, which uses the front end of the web to complete the work of the Android front end and connect with the back-end to complete the connection with the remote database. Thanks to the backup plan, we were able to complete the task on time.

6. Describe one example of what went wrong on this project.

When we planned the Gantt chart, we put a lot of time on the design of the project product. This error caused us to not complete the extra functions required by customers. If we do not accelerate the speed of our product development in the later stage, it is very likely that we will not be able to complete our products at the end. So, we think we are designing the Gantt chart because we carefully consider our development time.

7. What will you do differently on the next project based on your experience working on this project?

-Reasonable timing

In the next project, we will reasonably consider our development time and whether we are confident in the development language we have not touched.

-Version Control (GitHub)

In this project, we are not particularly good at controlling the version. We hope that when we next project, we can use GitHub to record the version of the projects and the version of the documents.

-Testing

Due to the timing, we did not do a good job in many final tests. We hope that the next time we will arrange the time to complete the final project test.