

Interim report

Project overview:

My planned project is a business management system for the business crewing industry. The application will allow the business managers to add their employees to the system, when a job is received, they will fill in the job detail form and send it off to their available employees. Once the form has been submitted, the staff who are available will get a text on their phone asking them if they can do that job, the staff will reply with a Yes or No. If the employee replies with a yes, they will be automatically added on that shift and manager will be notified, the job has been accepted.

However, if the employee is not available to do the job, they will be able to reply No to the text along with a reason why they can't do it and the manager will be notified. Whomever has accepted the job they will get a confirmation text automatically prior to the job.

The application will automatically create a time sheet for the crew, and it will be automatically emailed to them at the end of the month, the sheet will have all the jobs details they have done, once they have received the time sheet and have checked all the hours, they can reply to email by sending their invoice.

The system will also allow the managers to have their own username and password. For them to use any of the features they have login to the system. There will be different level of access for the staff and the managers, the managers will be able to access every feature, such as company monthly reports etc whereas as the crew will only be able to access calendar.

When the crew logs in they will be able to see a calendar, which will show what day and time they are working, and detail about the job.

Summary of work to date:

Project Ideation: My first task was to come up with some idea for the project, link to ideation

<https://github.com/mkhan012/ComputingProject/tree/master/Project%20Ideation>

Proposal: Once my idea was confirmed I created proposal, link to proposal

<https://github.com/mkhan012/ComputingProject/tree/master/Product%20Specification%20>

Conducting market research: I have started to carry out primary and secondary market research, I make a list of all the responses I received from user. Link to the questionnaire responses
<https://github.com/mkhan012/ComputingProject/tree/master/Market%20Rrsearch>

Online blog: I made an online blog, where I can post my blogs to help me keep track of what I am doing. link to the blog
<https://www.blogger.com/blogger.g?blogID=5155543690253421311#allposts>

Gant chart: I also made a Gantt chart online to plan my time and to help me keep on track.

Interviews with the companies: I attempted to interview some of the companies that already uses application similar to mine, however I wasn't able to get date because of really busy season, however I was able to make fill in the questionnaire. Link to the questionnaire
<https://www.surveymonkey.co.uk/r/5P3BNZY>

Carrying out Questionnaires workers: I made some questionnaires using survey monkey and I got users to fill them. Link to the questionnaire <https://www.surveymonkey.co.uk/r/5BZKWCC>

Carrying out Questionnaires employees: I made some questionnaires using survey monkey and I got users to fill them. Link to the questionnaire <https://www.surveymonkey.co.uk/r/53RGT9Z>

Analysis: gather all the information I need; I did an analysis of the responses I received from the users.

Add calendar for the users: I was thinking to making a personalised calendar for the employees but from my research I discovered google calendar already exist and its free and all the features I was going to have, google calendar already has it, so I decided to scrap the feature. link to google calendar
<https://calendar.google.com/calendar/r?pli=1&t=AKUaPmZ6YeOnDb0PUWI1rPp3FhTaM94heKfkiX27fFMtod-mKyfI3Y2ImdPhbIi2QwwRDQC-7R1m-4h6rmCj5BBZv6CEaRq4Iw%3D%3D>

Designing logo: I created 4 different logos, compared them and I asked the user for feedback to see which one they prefer, shown in figure 1.

Login prototype: made a draft for login to see how it going to look, I made three different drafts before finalising final draft. Here is the link to login



Figure 1 shows logos

prototypes.

<https://github.com/mkhan012/ComputingProject/tree/master/Prototype>

1st Draft Prototype: I made first draft prototype, before I move on to create my final prototype, link to draft prototype

<https://github.com/mkhan012/ComputingProject/tree/master/Prototype/First%20Draft%20prototype>

2st Draft Prototype: I made my second draft prototype, before I move on to create my final prototype, link to draft prototype.

<https://github.com/mkhan012/ComputingProject/tree/master/Prototype/First%20Draft%20prototype>

Use Case and UML diagrams: I made some UML and use diagrams. link to them.

<https://github.com/mkhan012/ComputingProject/tree/master/Prototype/Umls>

Database schema: Database schema for sending and receiving message: I wanted to have some idea how I am going to create the communication between the database to send message to the recipient. I have created tables for sending and receiving.

Evaluation

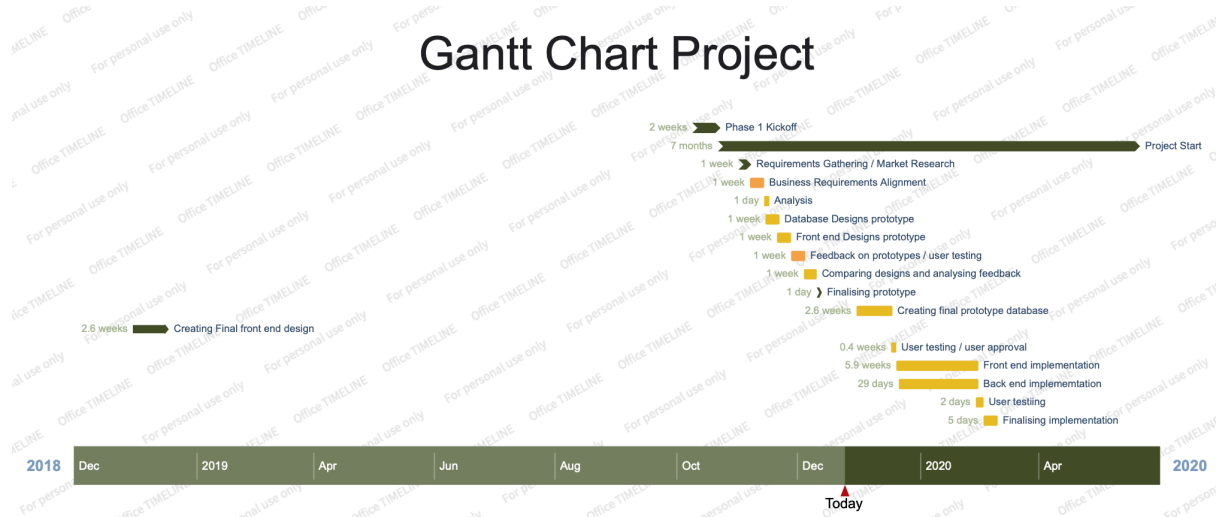
Overall, I have been on track so far, I have met some of my milestones such as I have completed my market research and analysis however due to some circumstances, I still haven't completed the prototypes, which should be completed by now, other than prototypes I have met all my milestones.

I have made a few changes to my project such as I was planning to create a personalised calendar for the user, but I am no longer doing that, other than that everything else is still same. My scoping for the project was not too good, some of the tasks took longer than I expected for which I set less days and some task took longer than expected.

So far, I have learned it's really important to keep getting feedback from the users on my prototype and making iteration before moving on to the next step. I need to set myself realistic aims and objective which can be achieved keeping my skills in considerations, and make sure I don't leave any work to last minute because it's important to meet the milestones I set myself because if I miss one milestone I am more likely to miss the next one as well, which could result project being delayed overall.

Revised project plan:

Currently, I am using Gantt chart in which I have set myself deadline for each task and when it needs to be done, below is screen shot of my Gantt chart. For each task I have given myself realistic time.



Repository link:

<https://github.com/mkhan012/ComputingProject.git>