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Team PA-PI-b

1st Iteration Diary
Comp 354

Presented to
Gregory Butler

February 11th, 2018
Concordia University

1 Weekend of Jan 13-14

- Read the project description and familiarized myself with what is asked for this project.
- Came up with a couple of ideas to suggest to the team about how to tackle the application (eg: how to approach loans, which should increase both the available balance and the debt of the account) and defining its scope (which of the areas suggested by the project description will be covered by our application).

2 Team Meeting 1: Lab - Jan 18 - 21:30 to 23:00 (90 mins) common points

- Got to know each other a bit, our skills, experience, preferences and availabilities.
- Exchanged contact information and set up team communication tools (Slack).
- Read the project together, making sure we all understand it the same way and that we agree on what needs to be done.
- Decided priorities and a timeline for iteration 1.
- Brainstorming for the first sketch of the domain model and use cases.
- Divided tasks and assigned individual roles and deadlines.
- Agreed to meet every Monday from 18:00 to 21:00 in addition to lab hours.
- Booked library room for next team meeting.

3 Personal points about Team Meeting 1

- I took on the role of documenter for Iteration 1 as I was interested in domain modelling and use cases. Following the meeting, I read up more about them in the textbook.

- I shared my idea about loans, which sparked a debate about how loans should be categorized. It's neither an income nor an expense. It's a 3rd type of transaction.
- I noted down some of the ideas that came up during brainstorming. The most notable addition to the areas which the project description suggested was proposed by Kosta and agreed to by everyone: to have in our application a customizable "Organizer" to categorize transactions (for eg. food, transportation, etc) and be able to view past transactions by category.

4 Team Meeting 2: Library - Jan 22 - 18:00 to 21:30 (210 mins) common points

- Short SCRUM to present everybody's progress and impediments on their tasks.
- Reviewed carefully the first draft of the domain model diagram (sketched by Zayn). Defined more precisely some of its elements.
- Came up with the main scenarios and defined the 3 main use cases to be implemented by the coders("AddTransaction", "ViewTransaction" and "Login").
- Adjusted and redefined roles and tasks for current iteration.
- Chose new individuals deadlines.

5 Personal points and work following Team Meeting 2

- I asked Zayn to send me the first draft of the domain model diagram which he sketched in order to think about it more when I got home and try to better grasp what we're trying to do and how to model it.
- The next day, I made updates to the domain model, making sure it is a diagram that the application customer can understand (not a software class diagram). I sent my suggested updated diagram to the team.

6 Team Meeting 3: Lab - Jan 25 - 21:30 to 23:00 (90 mins) common points

- Short SCRUM to present everybody's progress and impediments on their tasks.
- Reviewed carefully the new draft of the domain model diagram(sketched by me).
- Figured out more use cases, its sequence, relationship and actors to sketch a first use case diagram.
- Reviewed first draft of the unit tests and redefine the main use cases accordingly.
- Distributed more specific documentation tasks among documenters for the requirements document.
- Chose new individuals deadlines.
- Booked library room for next team meeting.

7 Personal points and work following Team Meeting 3

- I asked our lab instructor about a doubt Javier had with my domain model. Accordingly, I removed the "Organizer" object from the diagram as she suggested it is more a software specification. I made sure to capture the concept of the organizer for the business customer in a different way instead.
- Domain model being done, I took on the task of doing part of the requirements document (parts 9 to 11).
- I sent my part of the document + the domain model to Marzie (other documenter who has the task of incorporating the different parts in Latex)

8 Team Meeting 4: Library - Jan 29 - 18:00 to 21:00 (180 mins) common points

- Short SCRUM to present everybody's progress and impediments on their tasks.
- Reviewed final design of the domain model diagram(sketched by me).
- Reviewed carefully the first draft of the use cases diagram(sketched by Zayn). Defined more precisely some of its elements.
- Reviewed the code of the implemented use cases and made adjustments to improve alignment of our view of the project.
- Reviewed first draft of the requirements document (formatted in Latex by Marzie). Assigned changes and corrections to be made to prepare for the demo on the next lab/meeting.
- Chose new individuals deadlines.

9 Personal points and work following Team Meeting 4

- Following the team discussion of the requirements document, I had to make some small changes to some of the parts I was tasked with: the Constraints and Solution Ideas.

10 Team Meeting 5 / Demo: Lab - Feb 1 - 21:30 to 23:30 (120 mins) common points

- Presented our code and requirements document to the lab instructor, ran the implemented use cases and discussed with instructor about possible improvements to be made.
- Accordingly to the feedback received by the lab instructor, adjusted the domain model and the use case diagram to reflect more faithfully its implementation.

- Decided on additional changes and improvements to be made on the requirements document and the code.
- Chose new individual deadlines.

11 Personal points and work following Team Meeting 5

- I discussed with the coders the way they implemented certain things, to make sure the code and the domain model I designed fully reflect each other. For example, we discussed the specifics of the categorization of transactions according to user-defined categories. We agreed that "Category" will be an attribute of the Transaction object and is distinct from "Type" of transaction (income, expense, loan).

12 Team Meeting 6/Presentation: Lab - Feb 8 - 21:30 to 23:30 (120 mins) common points

- Presented our final version of the code and requirements document to the lab instructor, and got a positive feedback.
- Made minor adjustments to the final document and assigned team members to submit the documents for iteration 1.
- Discussed the next steps to follow for iteration 2.

13 Personal points about Team Meeting 6

- I will take the role of coder for the next iteration (to be finalized next Thursday). We had a little discussion among coders about implementing a GUI using MVC architecture in the upcoming weeks (after Quiz 1).