

CreateSafe

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Company: AuthoRight

PROGRESS

Since the last report, we finalized our prototype by implementing some testing classes for functional testing (in particular testing if upload of files is successful). Furthermore, we met with Gareth and we went through the mockups together and we finalized the requirements for the API.

We also further investigated on the OAuth protocol and the development of RESTful APIs. We drew some URL diagrams in order to better understand the implementation of our requirements and we finished the Use Cases to cover all the relevant requirements.

TASKS COMPLETED

- Completed prototype for uploading of files.
- Added test cases for the prototype making use of Symfony testing classes.
- Refined requirements for the API with Gareth by finding a compromise between the technical requirements and the aim of the company.
- Produced activity diagram for the uploading of files.
- Produced sequence diagram for the OAuth protocol, and further investigated about RESTful APIs development and implementation of the OAuth protocol with Symfony.
- Populated website with all relevant content relating to research and design produced so far.
- Refined all Use Cases as necessary.

MEETINGS

- 01/12/2015: we discussed how to implement the API and how to test our code using the Symfony framework.
- 04/12/2015: we met with Gareth, we went through the mockups together and received positive feedbacks about them. Furthermore, we discussed how to implement the API in order to overcome the technical difficulties we faced when designing it, because of the payment required each time a file is uploaded.
- 08/12/2015: we discussed how to structure the video presentation and what parts of the website needed to be updated.

PROBLEMS

Before our meeting with Gareth, during the design stage, we encountered some difficulties designing the API while, at the same time, requiring a payment for each file uploaded. During the meeting, we

discussed the issue with our client and we, together, decided to ignore the payment for files when the request comes from an external application.

The idea is that only certain applications will be allowed to make requests to the API, and, therefore, only those applications will be able to upload and protect new files without payment. This will be achieved with the OAuth protocol, by giving a client_ID and a client_secret only to applications that have a deal with AuthoRight and that are, therefore, allowed to make use of the API. From a software engineering point of view, this solves our problem on how to make the user pay for each file uploaded when the requests are made from another application.

PLAN

Since this is the last report before the end of the term, by the time of the next one we plan to:

- Produce a Gantt Chart for the second term, outlining the development and testing phases.
- Start the actual developing of the application by implementing the database and possibly finish the file protecting functionality started with the prototype.
- Develop using a Test Driven approach in order to keep our Proof of Concept (PoC) tested throughout the whole development phase and to not leave testing as a final separate stage.
- Expand the project website to allow more sections for a detailed explanation of the development.
- Keep our repository updated with the current version of our PoC while making use of all the version control features.

PERSONAL SECTION

DANIELE MENARA

In the past two weeks I developed the prototype for uploading files and I implemented the testing methods. I also worked on the Software Engineering analysis for the website and the API and produced the relative diagrams. I populated the project website with the relevant content and I worked on the video presentation for the project.

I finished the Use Cases and refined the requirements list as necessary; I also updated the repository and the Gantt Chart.

MINHO KIM

This week, I was in charge of producing slides for the video to submit. However, I could not contribute on any part of them. As a summary of COMP204P module in a term1, I should have worked more for the team. In the next term programme assessed as the COMP205P module, I will change my mind and take responsibility for my work. I will think over what I have done during this term.