Project Tender

Project: Insurance Profiling
Client: Retro Rabbit

Team: HTTP_418

Christiaan Saaiman, 12059138
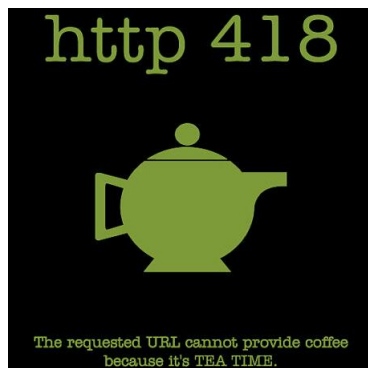Michael Loosen, 14017254
Elizabeth Bode, 14310156
LC Meyers, 14024633

Department of Computer Science, University of Pretoria

May 1, 2016

http 418

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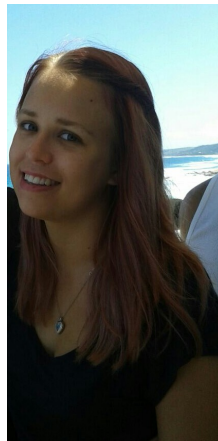
1 The Team

1.1 LC Meyers

- **Full name:** Lodewyk Charles Meyers

- **My interests:**

    Gaming

    Computers

    Music

    User experience design

    Website design

    Anything new related to technology

- **My technical skills:**

    Web development skills

    Database design

    Java

    C#

- **Past experience that might help:**

    I collaborated on a website for a school as part of a project.

    As part of the above mentioned I had to embed a Facebook plugin into the website and have thus acquired some knowlage on how the Facebook API's work.

- **Non-technical strenghts:**

  I have a high amount of patience

  Hardworking

  Eager to learn new things

  Enjoy trying to solve complex problems

- **What makes me want to do this project?** This project sounds like huge fun to do. I love web development and will enjoy this project a lot. I don't mind the challange of designing the profiling engine and will graciously accept te challange.

1.2   EF Bode

- **Full Name:** Elizabeth Fae Bode

- **My Interests:**

  Puzzle Games (eg. Sudoku)

  Computers

  Art

  Music

  User experience design

  Website design

  Gardening

  Reading books

- **My Technical Skills:**

    Web development skills

    Database design

    Java

    C#

    C++

    Good at writing

- **Past Experience that Might Help:**
I have a decent accounting and mathematical background which should aid in the implementation of this project. I thoroughly enjoy web-development and interface design which is appropriate for this project as it is a necessary component that needs to be developed. I have dabbled in scraping components but I do not have much experience in scrapers nor do I have much experience in developing profiling engines. However, I am eager to learn both of these types of components and have no doubt that once I have an understanding of how to develop them, that I will be able to implement them with my team to the utmost of my ability.

- **Non-technical Strengths:**

    Good at decision-making

    Good at problem-solving

    Hardworking

    Organised

    Responsible

    Eager to learn new things

    Perfectionist

- **What makes me want to do this project?**
I am very interested in working with Retro Rabbit and have been since I spoke to a couple of their employees at the career day in the IT building at the University of Pretoria. I also enjoy, as mentioned above, web-development and have experience in both mathematics and accounting, which made me very interested in this project.

2 Project excecution

- **Development Methodology**

    We plan to follow the Agile development methodology as it involves regular communication with the client to ensure the project results in exactly

what they want. It also has a focus on the people system and their interactions with it which we believe is way more important than focusing on the processes and tools of the system. We strive to maintain a continues attention to designing the system well and ensuring that all the technical aspects are coherent with the requirements. All of which makes the Agile development methodology perfect for our vision for your project.

- **Progress Communication Plan**

  We plan on meeting up with you as the client on a regular basis, either face-to-face or via Skype, whichever is more convenient for you at the time, in order to keep you updated regarding the status of the project and to clarify requirements. We are also willing to communicate either via WhatsApp or email, whichever you prefer, in order to discuss the project and the progress of it, if face-to-face meetings are unable to take place for whatever reasons.

- **Technologies we will use for the project:**

  - For the front end we will use Bootstrap framework along with JQuery to handle AJAX requests to the server. Bootstrap makes making responsive websites very easy, thus the choice in Bootstrap.
  - For the backend we will use Python along with Django. Django offers REST wrapping for the Ajax requests that will come from the client. Python is chosen because of the relative few lines of code for a task as opposed to Java. Therefore we will need less development time to develop a server with built in AI functionality to do the risk profiling.