Project Tender

Project: Harvest
Client: Subtrop

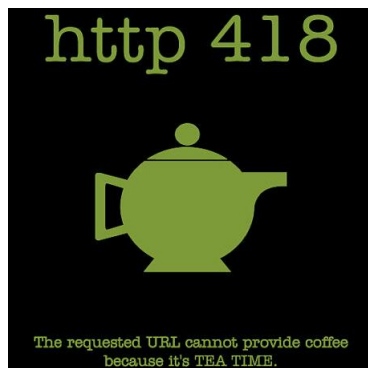# Team: HTTP_418

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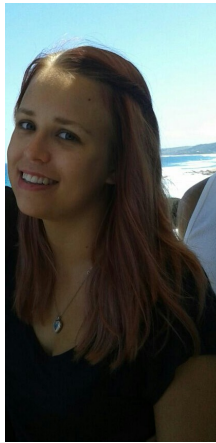
1 The Team

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 have collaborated in an Android app made using PhoneGap

- **Non-technical strengths:**

  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?**
  Doing this project sounds like it can be fun. It sounds like I might learn something new in the Subtropical industry. It will also be interesting to see how the service is being realised to help the farmers determine better yields. Finally it would be nice to learn how to create an app that uses GPS and other technologies needed for this project.

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 do not have much experience in terms of mobile development but I have always had an eagerness to learn it as it is becoming an increasingly fundamental part of our society. I have slight experience in the agricultural industry as I use to work as a manager at a plant nursery and I learnt a lot about growing plants, the conditions they require and the importance of monitoring the growth of plants in order to increase their success.

- **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 have a passion for nature and growing plants in general which I believe will be of assistance in the implementation of this project. This passion also gives me the motivation and the desire to implement this project as I believe it will be an interesting experience that I would love to be involved in 100% in order to grow my knowledge in every respect.

2   Project exccecution

- **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 Cordova along with Ionic as these technologies makes creating hybrid mobile apps easier. This means minimal code will need to be changed to make the app compatible with both Android and iOS. Since this front end is in essance a website and therefore will go nicely with a clien/server architecture.

  – For the backend we will use PHP along with the Laravel framework for PHP. PHP is a very popular web language and is the langauge that most hired web servers run on. Laravel is a new and growing framework for PHP that makes abstracting the database and making RESTful services very easy.

  – For persistence we will use MySQL. It is a very popular Relational Databasa Management System that is also iscluded in a lot of hired web servers. Making setup very easy. We also do not anticipate that too much data will be persisted for MySQL to become unreliable.

  – If no web server is provided we can subscribe to any webhosting service that is very cheap to subscribe to a shared Linux server.