

Project Tender

Project: Harvest

Client: Subtrop

Team: HTTP_418

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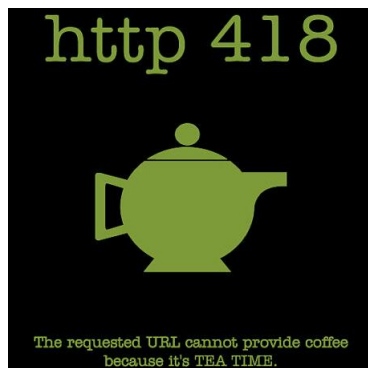
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1 The Team

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 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?** 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.

2 Project execution

2.1 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 essence 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.