

## TRACKING AND TESTING PLAN

### RECIPE APPLICATION

#### **TRACKING PLAN**

A tracking document will be used to track each task delegated to each member and include status to keep everyone abreast with the progress of the project.

#### **Tracking document(s) :**

[https://docs.google.com/document/d/1ADL6yyjEQECCw-Ywsmuw\\_pxSk0m2ml5FSjuVAdRVRGk/edit](https://docs.google.com/document/d/1ADL6yyjEQECCw-Ywsmuw_pxSk0m2ml5FSjuVAdRVRGk/edit)

<https://docs.google.com/spreadsheets/d/1ajhu3CZYWDP3HHoO1In50u1azYWn-nua6DiCSXZzUQs/edit?usp=sharing>

#### **Strategy**

##### **Artifact definitions**

Our artifacts are going to pieces we will be turning in at the end of our project submission. Our artifacts are going to include but will not be limited to our testing and tracking plan, our requirements doc, our java code, and our java test code.

##### **Transparency in progress**

In our testing and tracking doc we will have a table where group members can list the things they are currently working on along with the status of their work ie. if their work was completed or if they are blocked.

##### **Progress reporting**

To determine if something is done we will use the table in the testing and tracking doc. There will be a column or maybe two columns for status and for verified. The status can range from in progress or blocked, to completed. If something is marked as completed they will need to verify it by including a picture. May potentially make use of the Jira Software to host a dashboard that displays the progress of each team member

##### **Task delegation**

We have decided to focus on cleaning up the data, making the database connections, putting the database on the Google Cloud Platform and testing a couple of different queries to make sure our data is being read the way we want it to work. With that said each person will be adding in different artifacts on those topics.

### **Tracking group member progress**

We will make sure everyone understands what everyone else is doing by the description column in our testing and tracking doc. Because of this we will have to be extremely

### **Responsibilities**

<b>Role</b>	<b>Name</b>	<b>Responsibility</b>
Test Manager	Eunice	Verifies test units System testing
Project Manager	Breonna	Communicates with group Verifies that all requirements are met
UI Developer (and CEO)	Andrew	Developing interface
Hacker	Taylor	Testing code Testing system
Java programmer	Cameroon	Developing code

### **TESTING PLAN**

We will track our tests using this document that will list the test done, the status and verification by the test manager.

Tests document:

[https://docs.google.com/document/d/1ADL6yyjEQECCw-Ywsuw\\_pxSk0m2ml5FSjuVAdRVRGk/edit](https://docs.google.com/document/d/1ADL6yyjEQECCw-Ywsuw_pxSk0m2ml5FSjuVAdRVRGk/edit)

### **Tests**

#### **Data and Database Testing**

- Verify access to Course Catalog Database.
- Verify correct retrieval of update of database data.

#### **Function Testing**

- Verify each functionality of app is operational
- Verify data input, processing, output

#### **User Interface Testing**

Verify ease of navigation through a sample set of screens.  
Verify sample screens conform to GUI standards.

### **Performance Testing**

Verify response time to access system.  
Verify response time for request response.

### **Strategy**

### **Test responsibility and verification**

Our test manager, will be the person that will verify that all the code is tested correctly. The code will be tested after any major changes are done and new code is checked in. Each member who makes a change will notify the test manager.

### **Integration points testing.**

We will make sure the java code can talk to the database and the client can talk to the java code by testing those particular integration points.

### **Overall service tests.**

As a whole we will verify that the ingredient that is given by the client is actually in the recipes that we are generating. Our testing manager will verify this by writing unit tests to make sure this code is functioning correctly. We will verify this anytime code is checked in.