

Sprint 2 Plan

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Product Name: URL Logger

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# Sprint Goal:

As a team, we want to create a working rough draft of the Chrome Extension to demonstrate functionality to our sponsor. This includes integration between the front and back-end, a working login system, as well as URL collection stored and retrieved correctly. Finally, development on the Android application will progress further.

# Task listing

1. As a Product Sponsor, I want users to be able to login to the desktop application.
   1. Send login data from Chrome Extension to server-side application (AJAX).
   2. Learn PHP.
   3. Develop server-side application/logic.
   4. Create an aesthetically appealing front-end login system.
2. As a Developer, I want to create a basic web service to interact with the database and front-end.
   1. Create basic MySQL database using Amazon AWS
   2. Populate MySQL database with sample tables, columns, rows
   3. Generate permissions that allow team to access database
   4. Create basic web service to connect to database
   5. Make a test php file that connects to the database
   6. Upload test php file to web service so it is actively running
3. As a Developer, I want to connect the chrome extension to the database to be able to store and retrieve data.
   1. Generate XMLhttp requests that post data to web service
   2. Format data so that it can be received as a single string
   3. Send formatted string through an XMLhttp request
   4. Modify test php file to accept single string
   5. Parse string into an array of the data collected in extension
   6. Insert data from array into database using mySQL
4. As an Administrator, I need a web portal to view and interact with the collected information.
   1. Create a secure login system
   2. Create a page for viewing general statistics
   3. Create a page for viewing general collection data
   4. Create a page for viewing analytical data

5. As an Administrator, I need a web interface to analyze the collected data for trends.

a. Research embedding of Google analytics into administrative portal

b. Research embedding of other analytical programs into administrative portal

c. Embed one or more analytics programs into the administrative portal

6. As a Developer, I need a secure system to prevent unintended access by third-parties.

a. Separate database users and permissions by required tasks

b. Create a table to store password salts

c. Hash user passwords using strong encryption and salts

d. Disallow access to the database by external sources

7. As a Developer, I want the Android App to collect various app usage statistics.

a. Implement algorithm for tracking how long the app is active.

b. Implement HTTP request methods to send the data to the database.

# TEAM ROLES & TASK ASSIGNMENTS

Mitchell Etzel(Product Owner) : 2 all

Darius Sakhapour(Scrum Master) : 1a, 1b, 1c, 1d

Jarad Shelton(Developer) : 3 all

Cedric Linares(Developer) : 7 all

Bereket Haile(Developer): 7 all