



Sprint 2 Plan

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Product Name:	URL Logger
Sprint Completion Date:	02/27/2017
Revision Number:	1
Revision Date:	02/21/2017

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.
 - a. Send login data from Chrome Extension to server-side application (AJAX).
 - b. Learn PHP.
 - c. Develop server-side application/logic.
 - d. 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.
 - a. Create basic MySQL database using Amazon AWS
 - b. Populate MySQL database with sample tables, columns, rows
 - c. Generate permissions that allow team to access database
 - d. Create basic web service to connect to database
 - e. Make a test php file that connects to the database

- f. 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.
 - a. Generate XMLHttpRequests that post data to web service
 - b. Format data so that it can be received as a single string
 - c. Send formatted string through an XMLHttpRequest
 - d. Modify test php file to accept single string
 - e. Parse string into an array of the data collected in extension
 - f. 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.
 - a. Create a secure login system
 - b. Create a page for viewing general statistics
 - c. Create a page for viewing general collection data
 - d. 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