

Release Plan revision 2

Product: SlugSense Smart Irrigation

Team: TheOtherSense

Release 1.0

Release Date: 7/24/2017

Revision #: 2

Revision Date: 7/25/2017

High level goals:

- Be able to securely login into the App and be transferred into inside the actual App.
- Have a Main page that pulls the user's specific data from his/her hardware Nodes.
- Displays the current Node data on card buttons and visualize the historic data (from the last 24 hours) in a graph.
- Switch the graph data depending on the button pressed to reflect the each individual sensor data.
- Have a sliding menu that displays all the hardware nodes that the user owns and be able to select any one of them and view its data.
- Have a modern and appealing material design for the whole App, and provide a pleasant user experience.
- Be able to securely logout of the App's main page and back into the login page.
- Continuously integrate the 'latest working revision of the App to github
- Test the final prototype of the App on both the browser view (default) and deploy it for testing on an IOS device
- Pass the unit testing for each individual module (Login, Graph, timeBoxedData), and make sure the App does not crash when receiving null data from the backend server.

User Stories for Release:

- **Sprint 1**
 - "As a user, I want to see a welcome screen when I open the app" [1]
- **Sprint 2**
 - "As a developer, I want a draft for layout, so that the team can have a shared vision of the application." [2]
 - "As a user, I want to view the information from my sensors in a chart, so that I can visualize my irrigation habits." [13]

¹ [number] → amount of story points allocated

- **Sprint 3**

- “As a user, I want to securely login into the App, so that my information stays protected” [5]
- “As a developer, I want to be able to save all the data received from the server locally, so that I can successfully manipulate and display them on the App” [2]
- "As a user, I want to see a nice looking modern design for the App, so that I can have a better user experience when using it” [13]
- “As a developer, I want to integrate all the individually working functionality within the final version of the App” [8]
- “As a developer, I want to be able to save all the data received from the server locally, so that I can successfully manipulate and display them on the App” [2]
- “As a user, I want to be able to see my devices’ information in an easy and visual way, so that I can better monitor my greenhouse/garden” [5]

Product Backlog:

- **Complete Registration Process** - while a user is allowed to create a new account, the existence of the new account is never verified with the server. As we were suggested to not worry about pushing data to the server until everything else is finished, this goal was given a low priority
- **Changing Password** - there is no functionality for an user to change their password. This goal was placed in the low priority by suggestion of our mentors.
- **User Story: Browse through the pages smoothly with no apparent delay.** Due to crashes when applying graph visuals to null data, data retrieval calls upon changing the view node was made synchronous to ensure options were set properly before data was displayed.
- **User Story: Toggle between daily and weekly.** This was put on hold by suggestion from the mentor, as an API call to return weekly data is planned but not yet implemented.
- **User Story: Group nodes into categories.** This was requested by mentors but there is no way at the moment to differentiate nodes by anything other than its unique ID.
- **User Story: Alerts when values go outside of acceptable range.** Low priority, suggested by mentors to ignore this story until the very end. As the data exists in the JSON object returned in login.ts during authentication, this should be simple to implement.