Sluggo Release Plan

Sluggo iOS, Sluggo Team, Release 1 (6/1/2021), Revision 2 5/17/21

High-Level Goals

- Design and implement a working mobile frontend for Sluggo capable of performing basic ticket searching and management, enabling teams to manage projects and tasks, on the go.
- Develop the Sluggo backend in tandem with the frontend to ensure that issue tracking is comprehensive.
- Adopt iOS interface conventions to create an application which fits on native iOS, and adopts Apple's Human Interface Guidelines
- Prioritize models that are done. Finish stuff that is nearly complete on the api. Do extra backend stuff if time allows.
- *Backlog: Implement management features to enable team administrators to manage their teams on the go*
- *Backlog: Implement project health features alongside the iOS application to enable visualization of project health, and understanding of where delays occur in their team's projects and milestones.*

User Stories and Sprint Prioritization

Sprint 1: Authentication

User Story	Story Points
As a user I want to login and logout securely. (Develop the frontend)	2
As a user I want to be able to switch between different team contexts. (Develop the frontend)	5

Spikes: This sprint is likely to have a higher level of spikes, as team members need to acquaint themselves with the iOS platform, and become setup and configured to develop iOS applications. Therefore, we are taking on a reduced set of stories for this sprint.

Infrastructure: Our team will need to configure and set up instances of Xcode on an Apple ID being used for shared development of the application. Our team will also need to individually obtain and setup for development hosting copies of the Sluggo API backend (https://github.com/slugbotics/sluggoAPI)

Sprint 2: Implement Existing Backend Features

User Story	Story Points
As a team member, I want to be able to list tickets for my team (Develop the frontend)	3
As a team member I want the ability to create a ticket to track the task as necessary over the course of the project lifetime. (Develop the frontend)	3
As a team member I want the ability to quickly glance at any upcoming tasks and focus my attention on the highest priority items. (Develop the frontend)	5
As a team member I want the ability to edit tickets and adjust the specified task (Develop the frontend)	1

Spikes: This sprint will likely require some time to be spent on learning iOS GUI basics, since there will be more GUI work in this sprint than previous sprints.

Infrastructure: This sprint should be lighter on infrastructure tasks, as all setup work has been completed, and the features focused on in this sprint are features which are already possible given the provided API endpoints in the existing backend.

Sprint 3: Extend New Features on the Backend

User Story	Story Points
As a team member, I want to see who is on the team (Develop the frontend)	2
As a team member, I want to be able to add tags and statuses to tickets (Develop the frontend)	3
As a team member, I want to be able to filter my team's tickets by their tags and statuses (Extend the backend / holistic work)	5
As a team admin, I want to be able to manage aspects of the team, particularly enabling other users to administer the team.	7

Spikes: There may be some adjustments necessary for this sprint, as the team will begin to need to add new functionality to the Python backend. This will require some learning of Django for some of our members.

Infrastructure: Little required, since team members will have a working Python environment from running a copy of the backend for development.

Sprint 4: Admin Features and Polish

User Story	Story Points
As a team admin I'd want to be able to invite users to the team. (Extend the backend/holistic work)	15
As a team admin, I want to be able to create and remove tags and statuses	3
As a team member I want to be able to pin tickets to view them on the homepage	2
As a team member, I want to be able to delete tickets	2
As a team member, I want to be able to log out	4

Spikes: Some algorithmic research may be required for breaking tasks apart, as doing this a simpler way (graph of tickets with BFS) may be inefficient

Infrastructure: We anticipate wanting to spend extensive time polishing the application and resolving any outstanding issues, so it may be released in the best state possible.

Project Backlog

User Story	Story Points
As a team lead I want the ability to track project health in relation to a deadline.	13
As a team member I want to be able to leave comments in tickets to communicate basic ideas to other members who might work on this ticket.	21
As a user, I want to be able to change the information in my profile. (Extend the backend / holistic work)	5

Add profile pictures to profiles	13
As an admin I want to create and modify statuses so that tasks can be tracked by state	2
As a team admin I want the ability to control access to the team.	5
As a user I want a log to see the changes that have occurred through a ticket's history	8
As a team lead I want to break tasks apart and assign portions to other team members (Extend the backend/holistic work)	5

1 story point = ½ day
2 story points = 1 day
(Rest is Fibonacci and accounts as above)