

Product Name: Algebreazy

Team name: Algebreazy

Sprint Completion Date: 11/07/2015

Revision Number & Revision Date: 2 & 10/26/2015

- **Goals:**

- User account implementation
- Allow users to save their work
- Interaction with the tree view

- **Task Listing, Organized by User Story:**

- **User Story 1:** As a user, I want to create an account so that I can maintain a profile with the service.
 - Research authentication (15 minutes)
 - Integrate Devise into backend (4 hours)
 - Make a /profile.html page (0 minutes)
 - Update database model (2 hours)
- **User Story 2:** As a user, I want to have good navigation controls so that I can efficiently navigate the website.
 - Brainstorm where to navigate (30 minutes)
 - Write the HTML (2 hours)
 - Integrate into GUI (15 minutes)
 - Integrate links into site (2 hours)
- **User Story 3:** As a user, I want a tree representation of my equation so that I can manipulate it with a drag-and-drop utility rather than being limited to only typing.
 - Make simple visualization for math tree (8 hour)
 - Have tree correspond with equation view (30 minutes)
 - Scroll wheel zooms in and out of tree view (30 minutes)
- **User Story 4:** As a user, I want to be able to save my work so that I can return to it at any given time.
 - SQL Research (30 minutes)
 - First, need to implement equation view (1 hour)
 - Be able to save/download a .txt file (1 hour)
- **User Story 5:** As a user, I want hot keys to be available so that I don't have to point and click everywhere.
 - Enter key has same functionality as left-clicking the 'enter' button (8 hour)
 - Ctrl+s saves scratchpad (30 minutes)
- **User Story 6:** As a user I want to be able to see the equation view, the tree view, the toolbar and the input bar all at the same time so that I don't have to scroll around a lot to work.
 - Create GUI template of what we want (1 hour)
 - Create HTML placeholders for each GUI component (3 hours)
 - Tie in each component with its functionality (8 hours)

- **Team Roles:**

- **Carl (Product Owner):** Parser and Grammar Coordinator
- **Kenny (Sprint II ScrumMaster):** GUI Developer

- **Susie:** Web-Server Engineer
- **Zach:** JavaScript Sensei
- **Bryant:** Ruby Navigator
- **Burnup Chart & Scrum Board:**
 - See <https://github.com/ceadler/algebreezy/tree/Info/Info> OR Basking E-1: Room 302: Back Left Station
- **Scrum Times (Subject to Change):**
 - **Monday:** 12:15PM - 12:30PM; BE 302
 - **Wednesday:** 12:15PM - 1:00PM; BE 302
 - **Friday:** 12:15PM - 12:30PM; BE 302
 - **Sunday:** 12:00PM - 3:00PM; Carl's Garage