

Sprint #2 Plan
Music Theory Keyboard
2/13 - 2/27

Goal: During this sprint we will focus on the storing and retrieving of lesson information using a database. We will develop techniques for demonstrating concepts on the keyboard itself. We will begin to construct the first lessons.

Tasks:

User Story 1: As a student, I want to be able to have keys highlighted on the piano when certain text-blocks are clicked so that I can learn in a visual as well as textual way.

- Task 1: Learn to implement a function when a certain block of text is clicked (3 hours)
- Task 2: Highlight keys independent of playing them (2 hour)
- Task 3: Combine previous 2 steps (1 hour)
- Task 4: Learn to store this information in a way that the database can store, decode, properly display and execute (3 hours)
- Total for user story 1: 9 hours

User Story 2: As a student, I want to be able to access the first lesson.

- Task 1: Decide the format and method for storing lesson data (2 hours)
- Task 2: Write lesson text (3 hours)
- Task 3: Design toggle-able note-name overlay (2 hours)
- Task 4: Also design toggle-able keyboard-note map (i.e. 'q' for c, 2 for c#, etc.) (1 hour)
- Task 5: Integrate lesson text with images and add click-able text (2 hours)
- Total for user story 2: 10 hours

User Story 3: As a student, I would like to be able to be tested on the first lesson's information.

- Task 1: Create a testing format which randomly chooses a note and asks for a note relative to it (i.e., "Choose the note that is a whole step up from C")(3 hours)
- Task 2: Developing a method to read the note just played (2 hours)
- Task 3: Develop a method to read the series of notes just played (3 hours)
- Task 4: Allow this template to be re-programmable for later lessons (3 hours)
- Total for user story 3: 11 hours

Team roles:

Diego: PO, Developer

John: Scrum-Master, Developer

Jan: Developer

Dan: Developer

Jacob: Developer

Initial task assignment:

Diego: User story 2, task 3

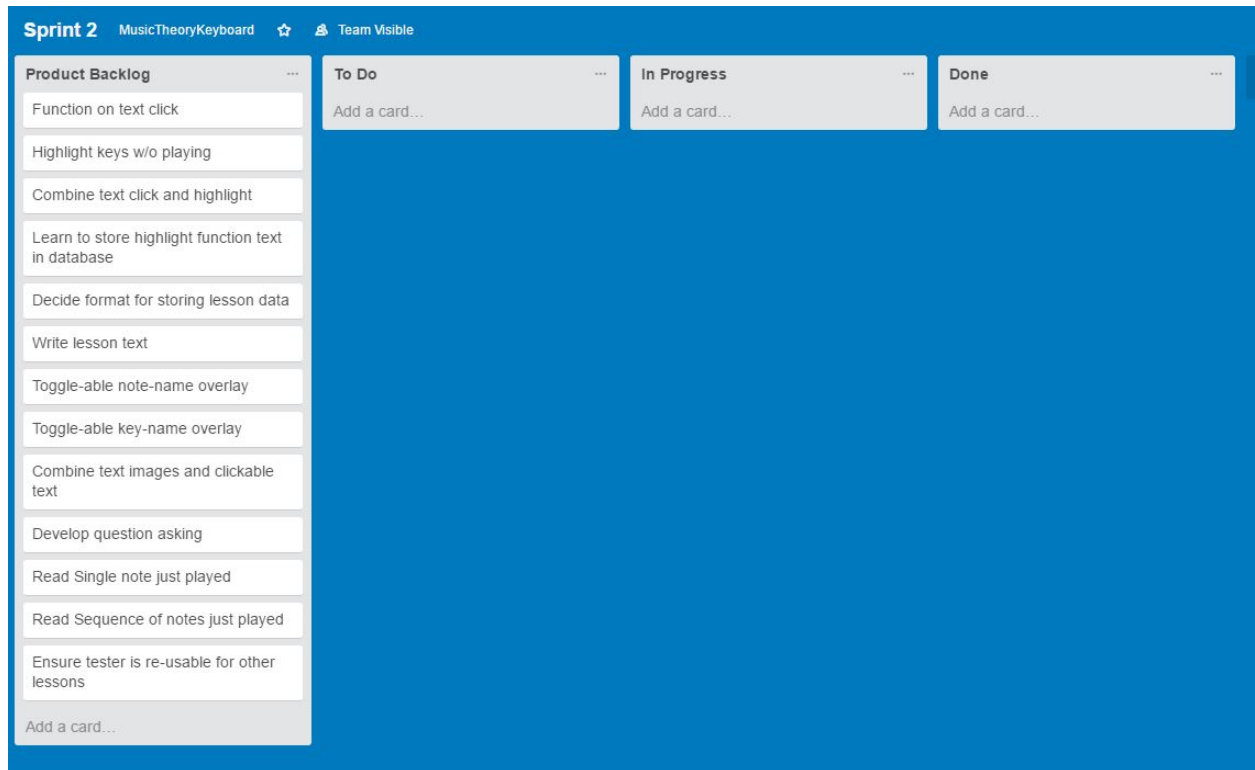
John: User story 2, task 2

Jan: User story 3, task 1

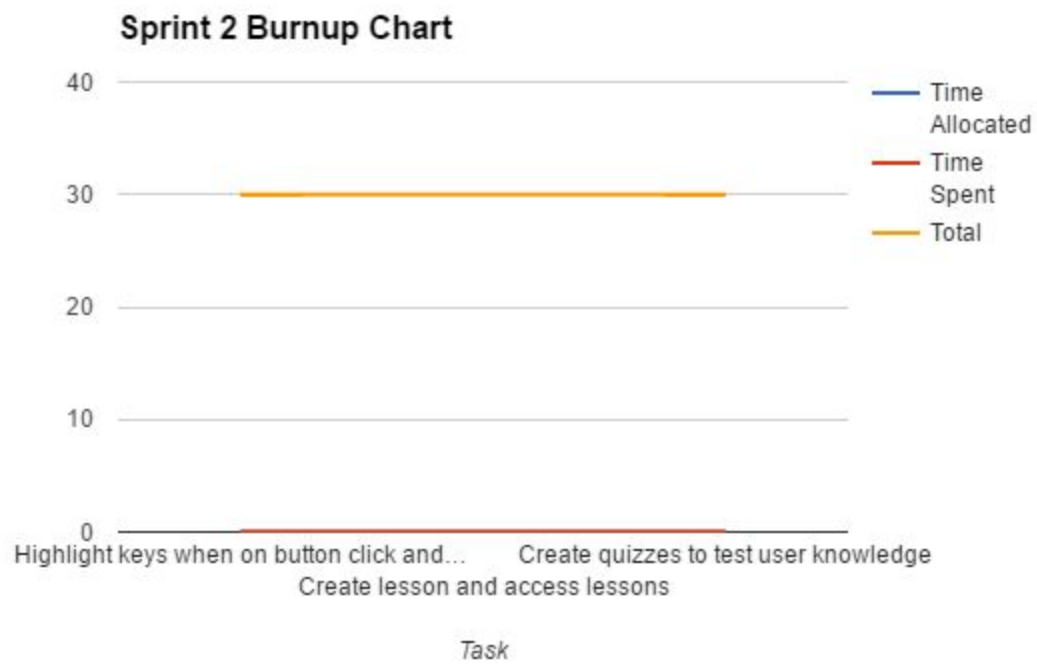
Dan: User story 2, task 1

Jacob: User story 1, task 1

Initial Scrum board:



Initial Burnup Chart:



Scrum times: Monday 12:00 (with TA)

Wednesday 4:00 pm

Friday: 4:00 pm