

Sprint 2 Plan

Product/Team Name: Amnis

Sprint Completion Date: November 4th, 2018

Revision: 1.0

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Team Members: Tejas Manjunath (Product Owner), Shridhik John, Adit Bhagat, Vishal Damojipurapu, Rishab Jain (SCRUM Master), Nishith Modi

Goal:

For Sprint 2, we are aiming to finish the features from the previous Sprint and build a webpage with livestream (and pre-recorded) video capabilities, as well as complete the interactive discussion board/forum for students/TAs/tutors/professors to communicate through. In addition, we will implement a tagging feature that allows students to see exactly when a subject is mentioned in the lecture.

Task Listing:

1. User Story: As a student, I want a livestream webcast so that I can still keep up with the in-class material even if I am unable to attend a lecture (8 story points).
Remaining tasks (from previous Sprint):
 - a. Task 3: Embed youtube video (includes livestream capabilities) on the website (4 hours)
 - b. Task 4: Build a proof of concept website with dummy functionality (2 hours)
2. User Story: As a student, I want to be able to interactively communicate through a forum with other students in real time so we can both ask and answer questions pertaining to the lecture (5 story points).
Remaining tasks (from previous Sprint):
 - a. Task 2: Embed discussion board onto the website (4 hours)
 - b. Task 3: Add bubble feature to discussion board (3 hours)
3. User Story: As a student, I want to see the different subject tags mentioned in the lecture and when the professor talks about them so that it is easier to review the most important subjects. (13 story points)
 - a. Task 1: Research Python NLP technologies (2 hours)
 - b. Task 2: Parse video audio for usage with NLP (3 hours)
 - c. Task 3: Create tags that show most popular topics for the lecture (3 hours)
 - d. Task 4: Make helpful links for tags to point to (2 hours)

Team Roles:

Vishal Damojipurapu: Developer

Nishith Modi: Developer

Tejas Manjunath: Product Owner {, Developer}

Rishab Jain: SCRUM Master{, Developer}

Shridhik John: Developer

Adit Bhagat: Developer

Initial task assignment:

Vishal Damojipurapu:

User Story 1: As a student, I want a livestream webcast so that I can still keep up with the in-class material even if I am unable to attend a lecture.

Initial Task: Work on embedding youtube video API with livestream capabilities

Nishith Modi:

User Story 1: As a student, I want a livestream webcast so that I can still keep up with the in-class material even if I am unable to attend a lecture.

Initial Task: Build a proof of concept website with dummy functionality using React

Tejas Manjunath:

User story 2: As a student, I want to be able to interactively communicate through a forum with other students in real time so we can both ask and answer questions pertaining to the lecture.

Initial Task: Work on “bubbling” comments with more upvotes

Rishab Jain:

User story 2: As a student, I want to be able to interactively communicate through a forum with other students in real time so we can both ask and answer questions pertaining to the lecture.

Initial Task: Embed discussion board onto the website

Shridhik John:

User story 1: As a student, I want a livestream webcast so that I can still keep up with the in-class material even if I am unable to attend a lecture.

Initial Task: Build a proof of concept website with dummy functionality using React

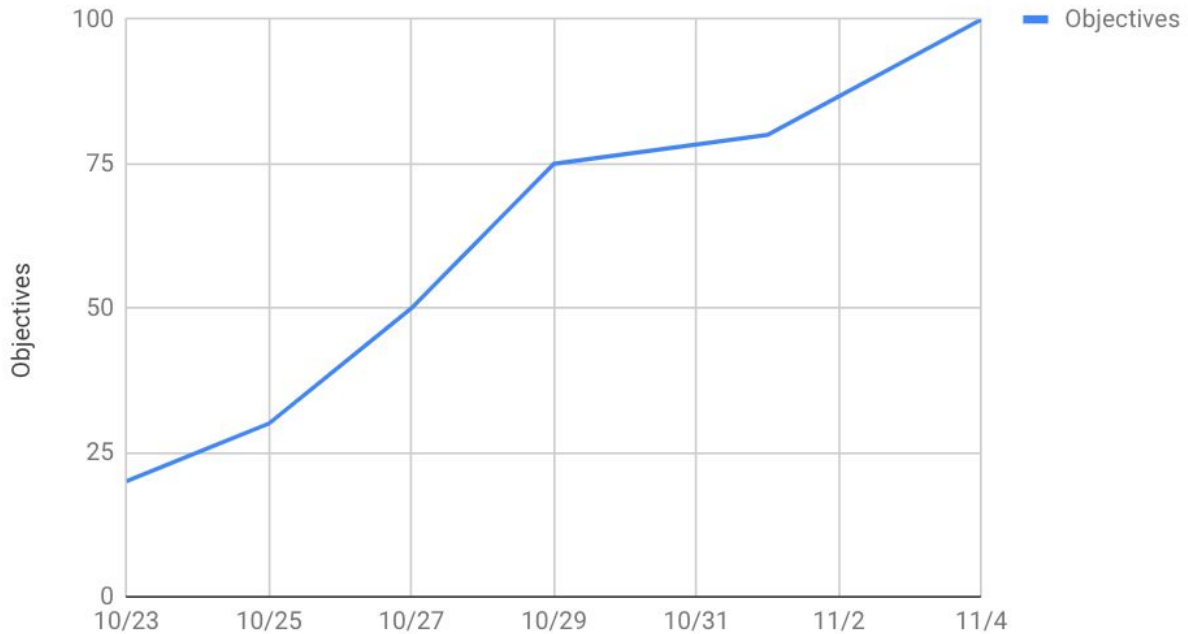
Adit Bhagat:

User story 2: As a student, I want to be able to interactively communicate through a forum with other students in real time so we can both ask and answer questions pertaining to the lecture.

Initial Task: Embed discussion board onto the website

Initial burnup chart:

Objectives



The metrics that this current burn up chart is measuring is the amount learned over time. Within this Sprint, our developers must completely familiarize themselves with the MERN stack to eventually build a website. The spike in Objectives is utilizing a database to create a realtime discussion board that has upvote functionality.

Initial scrum board:

Amnis Sprint 1 Scrum board (Lab at 12:00 PM Tuesdays)

User Stories	Tasks to do	Tasks in progress	Tasks completed
User Story 1 (8 points)		1. Incorporate youtube livestream 2. Build proof of concept website	1. Familiarize ourselves with technology 2. Build basic web-page with React

User Story 2 (5 points)		<ol style="list-style-type: none"> 1. Embed discussion board into main site 2. Add upvote and bubbling feature to discussion board 	<ol style="list-style-type: none"> 1. Research database technology 2. Setup MongoDB backend with ExpressJS
User Story 3	<ol style="list-style-type: none"> 1. Research NLP 2. Learn audio parsing for videos 3. Generate tags for popular topics 4. Links for tags 		

Scrum times: We will be meeting on Mondays at 4:00 pm, Tuesdays at 12:00 pm, and Friday at 4:00 pm for scrum meetings. We will be meeting with the TA/tutor on Tuesdays at 12:00 pm.