Sprint 1 Plan

Product/Team Name: Amnis
Sprint Completion Date: October 21st, 2018
Revision: 1.0
Revision Date: October 10th, 2018
Team Members: Tejas Manjunath (Product Owner), Shridhik John (Initial SCRUM Master), Adit Bhagat, Vishal Damojipurapu, Rishab Jain, Nishith Modi

Goal:

For Sprint 1, we are aiming to build a webpage with livestream (and pre-recorded) video capabilities, as well as an interactive discussion board/forum with for students/TAs/tutors/professors to communicate through.

Task Listing:

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).
Task 1: Familiarize ourselves with new technologies (5 hours)
Task 2: Build a basic web page using React Js and HTML (5 hours)
Task 3: Embed youtube video (includes livestream capabilities) on the website (3 hours)
Task 4: Build a proof of concept website with dummy functionality (2 hours)

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).
Task 1: Research technologies to build discussion board and upvote/bubble feature (2 hours)
Task 2: Embed discussion board onto the website using MongoDB and Express for storage (6 hours)
Task 3: Add upvote feature to discussion board (5 hours)
Task 4: Add bubble feature to discussion board (5 hours)

Team Roles:

Vishal Damojipurapu: Developer
Nishith Modi: Developer
Tejas Manjunath: Product Owner {, Developer}
Rishab Jain: Developer
Shridhik John: Initial Scrum Master {, Developer}
Adit Bhagat: Developer

Initial task assignment:

Vishal Damojipurapu:

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.

Task: Set up database with necessary information (timestamp, votes, etc) for discussion board

Nishith Modi:

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.

Task: Work on upvote feature for comments on discussion board

Tejas Manjunath:

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.

Task: Work on "bubbling" comments with more upvotes

Rishab Jain:

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.

Task: Work on creating framework for discussion board within website

Shridhik John:

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.
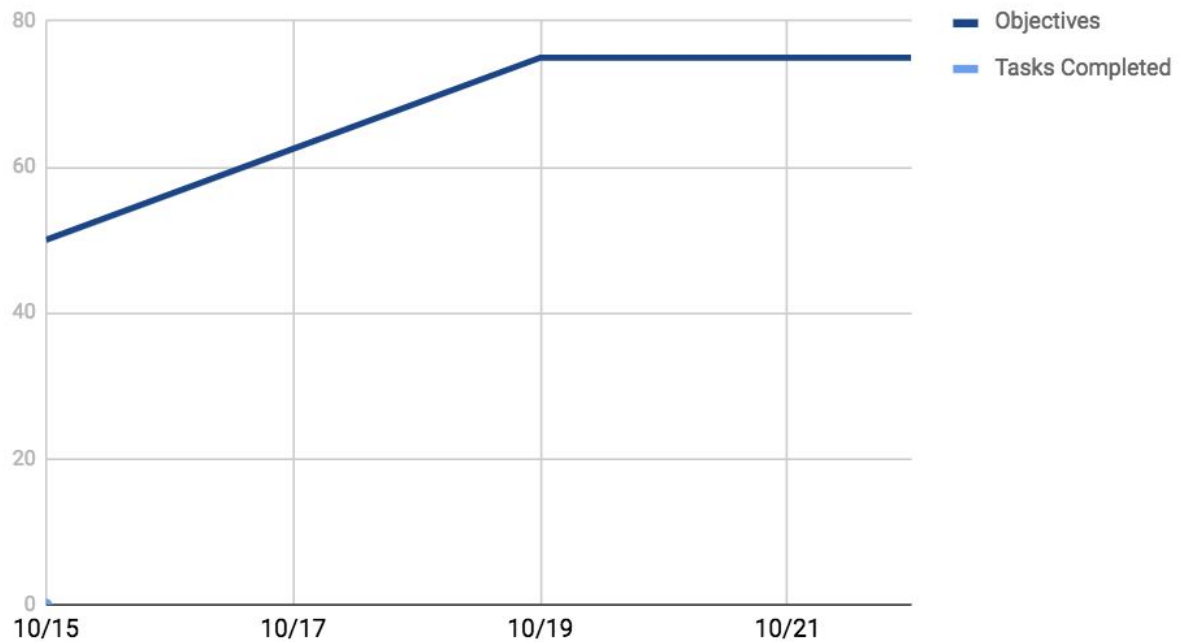
Task: Work on creating/designing an initial web page with React

Adit Bhagat: 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.

Task: Work on creating/designing an initial web page with React

Initial burnup chart:

Points scored

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 Chat client	1. Familiarize ourselves with technology 2. Build basic web-page with React	
User Story 2 (5 points)	1. Incorporate Upvote	1. Research database	

	button 2. Add a filtering feature 3. Connect to database	technologies 2. Embed discussion board onto main site	

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.