

## **Sprint 1 Report**

**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

### **Review:**

For Sprint 1, we fell short of our goals to build a webpage with livestream (and pre-recorded) video capabilities, as well as an interactive discussion board/forum. However, we made lots of progress on the technologies side, which will allow us to complete more site functionality in the upcoming sprint. Nevertheless, the current user stories will have to be pushed back to the upcoming sprint.

### **Actions to stop doing:**

- Multitasking (focus on completing the current task you are working on)
- Spending too much time on supplementary tasks rather than the core functionality

### **Actions to start doing:**

- Schedule more group work sessions, to improve productivity
- Focus more on completing the features defined by the user stories for the next sprint

### **Actions to keep doing:**

- Attending the group meetings and work sessions
- Communicating effectively, with task progress reports

### **Work completed/not completed:**

Completed (no user stories were fully completed in this sprint, so tasks are listed):

- MongoDB backend basic schemas established (for users and questions)
- React and MongoDB connectivity completed
- Node, Express, jQuery technologies learned
- Basic streaming webpage framework created

Not Completed:

- Youtube video/live integration to website
- Bubble feature for discussion board questions

- Better frontend functionality for streaming and discussion board

### **Work completion rate:**

- Total user stories completed: 0
- Total tasks completed: 4
- Total estimated ideal work hours completed: 6
- Total number of days: 4
- User stories/day: 0
- Ideal work hours/day: tried to meet up every other day for at least one hour
- Sprint burnup chart: we are still familiarizing ourselves with the tools we will be needing for this project

### **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.

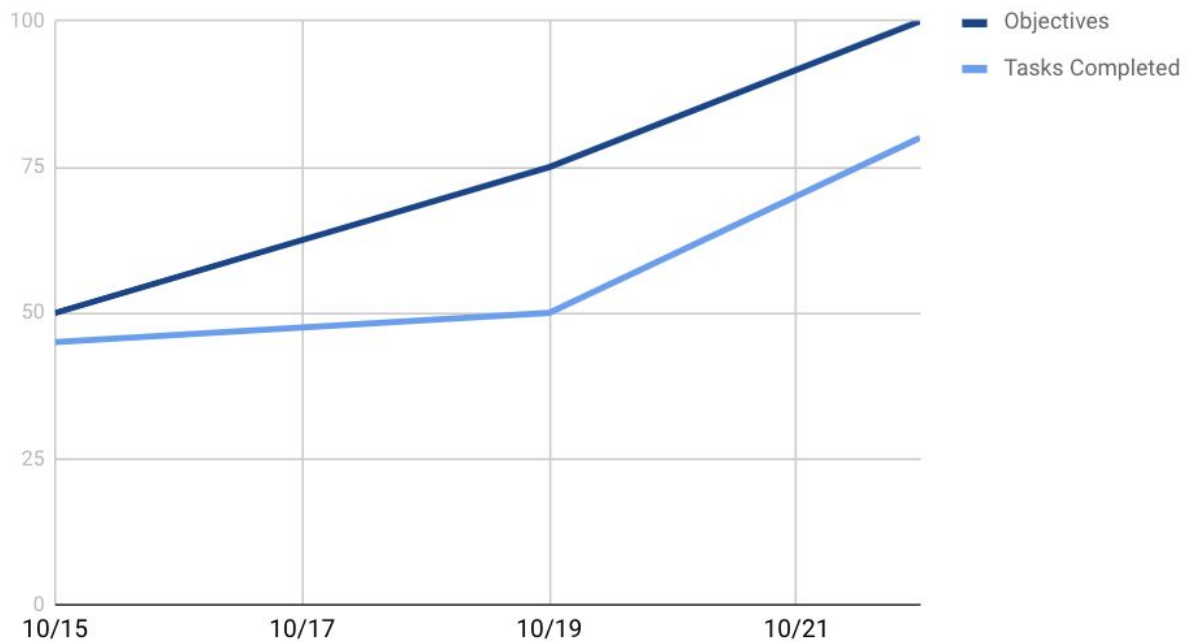
*Task:* Work on creating/designing an initial web page with React

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)	<ol style="list-style-type: none"><li>1. Incorporate youtube livestream</li><li>2. Build Chat client</li></ol>	<ol style="list-style-type: none"><li>1. Familiarize ourselves with technology</li><li>2. Build basic web-page with React</li></ol>	
User Story 2 (5 points)	<ol style="list-style-type: none"><li>1. Incorporate Upvote</li></ol>	<ol style="list-style-type: none"><li>1. Research database</li></ol>	

	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.