# SSW-690-A
# Software Engineering Studio

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*User Feed: Justina, Kevin, Zhe Jun, Vincent*
*Interview Questions: Hannah, Tom, Xiao*

*Professor Rowland*

# Project Overview

- An application for the Stevens community to share information and help each other.
- A way for on and off campus students to collaborate.
- A chance for off campus students to feel part of an on campus community.
- Our goal is to organize all the resources in one place so students will have easy access to essential information within their grasp at all times

Three main components: Video sharing, User Feed, Interview Questions

- Video Sharing
    a. Allows users to stream videos from on campus seminars
- User Feed
    a. Feed that gives users posts based on their topics of interest (like Facebook)
    b. Offer students assistance in choosing courses by allowing users to read reviews
    c. Share campus map info/other relevant info on campus changes
    d. Assist Stevens organizations in reminders for events, promoting events
- Interview Questions
    a. Interview questions help students prepare for the real world
    b. Incorporate Hackathon sign up access?

*Monitor sentiment

*Concept of tags will need to be heavily used in each component

# Video Sharing

**Goal:** We are providing students videos related to the Stevens community in one place

**Essential Features:**

- Student or Steven personal will create an account to login and share their videos.
- Guest access will allow viewing videos of public content from YouTube.
- Only logged in users will be able to see videos uploaded by other Steven's students.
- Search capability.
- Subscribe to certain users video channels
- Download videos for offline watching
- Save videos for watching later
- Queue videos to watch next
- Show trending videos
- Alert user if any new videos come out
- Show list of Recommended Video

# Stevens User

| User Class | Description |
| --- | --- |
| Stevens undergraduate students (favored) | There are 3,123 total undergraduate students (Fall 2017). |
| Stevens graduate students (favored) | There are 3,793 total graduate students (Fall 2017). |
| Stevens faculty | 295 faculty members. |
| Stevens alumni & graduates | 50,000+ members. |
| Stevens Staff | 595 staff members. |

# User Feed

Provide a news feed that gives users posts based on their topics of interest

❖ **Essential features**

➢ Offer students assistance in choosing courses by allowing users to read reviews

➢ Share status updates

➢ Post, delete, and edit statuses

➢ User news feed personalization e.g. create follow suggestions, content recommendations

➢ Provide relevant information for users e.g. campus map, campus schedule changes

➢ Receive real-time status notifications

➢ Personalize news feed based on user interests by using natural language processing or machine learning

➢ Follow other users and groups e.g. users in the same major

# Interview Questions

Provide a rich bank of sample programming interview questions to prepare them for the ***** world.

❖ **Question sharing :** Provide users with access to common interview questions sourced from the web. As well as other challenging programming topics ordered by their categories.
  ➢ Problem
  ➢ Solution
  ➢ Discussions
❖ **Solution/idea sharing:** Provide platform for users that have attempted common questions to discuss ideas and challenges faced and also vote up/down solutions.
  ➢ Users with similar interest should be matched.
❖ **Experience sharing:** Allow users to share experiences for past interviews or on the job tasks through a discussion board.
❖ **Hackertron links:** Enlighten users about hackertrons and registrations.
❖ Search and sort features.
❖ Alert users about new posts on topics of their interest and also on their past posts.

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Thank You!

# Assignment for week 1

1.  Form teams of 3-4 members. Each team will be responsible for delivering a software project along with a final presentation.   You'll want your team ideally to have a variety of skills, including project management, requirements, user experience, development, testing, documentation, and presentation skills.    You'll also need to choose a team leader who can speak for the team and can also help the team to reach decisions on the many tough questions that are certain to arise during the project sprints.
2.  Choose a project area that your team will deliver by the end of term.   We will discuss several alternatives in the first class but you may also choose your own topic.
3.  Create a project space on github.com for your team's project.
4.  Create a brief 10-15 minute presentation that **describes your project including the topic, the customers, and a few of the impacts your software project will have on its customers, i.e. how does your project make the world a better place?   Each team will present their project proposal to the class at the second lecture.**
5.  Add your presentation materials to your team's GitHub project repository.