TheRec

<https://drive.google.com/drive/folders/1tpTFDtmvIctpJ80FoC8qZtSAarc3KNoS?usp=sharing>

1. Something with practical applications?
2. Possibly something involving collecting data using scrapers on the server in Java or Python and whatever language it is that allows them to interact with JS
3. Conglomerate music/videos/streaming stuff in some way
4. Conglomerate data in some other way from video sources or something using their apis
5. iOS or Android
6. Web Dev + a mobile version for the web
7. Built-In API
   1. Sites that already have API that we can scrape data
      1. Music? (GraceNote)
         1. Uses data to create a list of songs that are most looked up / people are most interested in. creates some sort of music chart of popular songs (Top 50 most \_\_\_)
         2. Can filter data to region and create conclusions (people in \_\_\_ area seems to be most interested in \_\_\_); data can be used for a music producer to see what is up and coming
8. User can search for something specific + Generate data and information in a readable form (graph, list, etc.)
   1. Op.gg is a good example (Pulls lots of data from League into something presentable and compiles most popular builds across all users, win rates, etc.)
   2. Something for Twitch Streamers or Youtube videos/streams?
      1. Twitch has many API available already, but streamers already use them and we should create something a bit more original
         1. Rank of who donated the most bits
         2. Viewers from which country, ranked numerically

Potential websites that have open APIs: youtube, twitch, amazon, netflix, spotify, hulu, Gracenote

<https://developer.gracenote.com/web-api>

<https://discordapp.com/developers/docs/intro>

<https://developer.spotify.com/documentation/web-api/quick-start/>

**Recommendations for local stuff**

* **Hike eat, events, cool stuff to do, Tourist locations/Vacation**
* **Based off of google recommendations + user input + local/students can add events**
* **Focus on college students**
* **Can sync with calendar to look for things in free spots in your time?**

**Trello for sprint stuff**

Kevin Kong

Tim Newman

Nick Ryan

Gabriel Marquez

Camron Dennler

Michael Maramba

CSC 308 - 01/02

**Group Assignment 1: Group Project Description.**

Due: Thursday Sept 27th before class starts. Just one submission for each team.

* Explain the project idea in one paragraph.
  + We plan to design a web application that allows local students to find new recommendations for events, food, hikes, concerts, and other interesting local things to do in their free time. It will incorporate existing recommendations from Google with user input to give new recommendations, and will store recommendations already given to give new ones in the future. Users can integrate their schedule to find events that work with their free time as well. There will be some kind of process to allow users to add events not listed as well.
* Highlight the high-level functionalities of the system.
  + Scheduler
  + Event log
  + Google Map Integration
  + User recommendations
  + System recommendations
  + Event Submission panel
  + Registration for Event Submission
* List the language and technologies that you are going to use.
  + JavaScript
    - Node.js
    - Express
    - Vue? Bootstrap?
    - Angular
* List the team member names associated with their Skills. Mention your skill level (beginner, professional, ......)
  + Tim Newman - Good amount of front end design experience, some backend/ server setup experience, API design/documentation experience
  + Kevin Kong - Beginner
  + Nick Ryan - Beginner/intermediate
  + Gabriel Marquez - Beginner
  + Camron Dennler - Beginner
  + Michael Maramba - Intermediate
* Mention your previous experiences, If you have used any of the listed technologies. (If applicable)
  + Tim - JS: experience with Express, Node, Bootstrap, and Vue
  + Camron - comfortable in Java, C, and Python, completed an internship that provided experience with Swift, C++, and Objective-C, as well as experience designing specialized data structures
  + Nick - Experienced with Angular
  + Michael - Took CSC437 (Dynamic WebDev), experience with full stack web development (Node/Express/React)1

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# User Requirements

* Consumers should be able to view a map of local and upcoming activities that do not conflict with events in their schedule.
  + The system shall require users to log in via Google. (F)
  + The system should access the user’s Google Calendar in order to find free time ranges in their schedule for activities. (F)
* Consumers shall be able to access upcoming and attended activities.
  + The system shall collect activities such as hikes, concerts, places to eat, and other events from the Google API and store them in the database. (F)
  + The system should fetch recommendations from the database within 5 seconds. (NF)
* Organizers shall be able to contribute new activities to the database.
  + The system shall allow only authorized users to add activities to the database. (F)
  + The system shall validate local organizers to authorize them to add upcoming activities to the database. (F)

Glossary

* Consumers: users of the application seeking to find and attend activities
* Organizers: system-authorized users of the application capable of organizing and posting events
* Activities: events that are being recommended for users by the system
  + i.e. food, hike, concert, event, etc.

============================== Week 2 Day 1 =============================

# Sprint 1 objectives (Trello):

* Extract user stories
* Extract requirements
* Write acceptance criteria
* Make glossary

# User Stories and Acceptance Criteria:

* As a consumer, I can search for events near me so that I can find things to do.
  + I can find events that are ongoing or upcoming.
  + I can choose to find more information on events I’m interested in.
  + I can save events I’m interested in so I can access them later.
  + I can search for events without filters, or search by type (enumerated in glossary), event time range, event posting date, or age restrictions
* As an organizer, I can create and edit a new event so that other users may see and potentially attend it.
  + I can provide a name, location, time, and additional description to my event
  + I can save my event
  + I can save a draft of my event.
  + I can publish a draft of my event
  + I can view my event as a user.
  + I can edit my event after it has been created.
  + I can see how many people are interested in my event.
* As a Consumer, I can pull up my Google calendar and manage my dates and times so I can find events that don’t conflict with my schedule.
  + I can import my calendar from Google.
  + I can view information about events that are ongoing.
  + I cannot edit my calendar directly from this application; rather, I can follow the link on the page to edit the calendar from Google.
  + I will receive a new list of events with events that have time conflicts with my calendar filtered out
* As an Admin, I can approve, add, view, edit, and delete events so that I can oversee what events are being posted
  + I can approve pending events from organizers
  + I can create new events
  + I can view recently created events
  + I can change posted events to pending if the event’s authenticity comes into question
  + I can edit existing events
  + I can delete events
* As an Admin, I can authenticate an individual event so that consumers may see the event in event search results
  + I can authenticate an event
* As an Admin, I can authenticate and unauthenticate organizer accounts to control who can post events without individual authentication
  + I can authenticate an organizer account
  + I can unauthenticate an organizer account

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Answers to 4 Scrum Questions - Reference PPT:

* What are the four formal events for inspection and adaptation in Scrum? Kevin

1. Sprint Planning
2. Daily Scrum
3. Sprint Review
4. Sprint Retrospective - Feedback for team

* What are the main responsibilities of Product Owner? Gabriel

The Product Owner is responsible for maximizing the value of the product resulting from work of the Development Team. They also manage the product backlog.

Product Backlog management includes:

* Clearly expressing Product Backlog items;
* Ordering the items in the Product Backlog to best achieve goals and missions;
* Optimizing the value of the work the Development Team performs;
* Ensuring that the Product Backlog is visible, transparent, and clear to all, and shows what the Scrum Team will work on next; and,
* Ensuring the Development Team understands items in the Product Backlog to the level

Needed.

* What is the main responsibility of Scrum Master? Camron

The Scrum Master acts as a leader to manage interactions between the team, with the product owner, and with the organization. He or she guides these interactions to align with Scrum’s values and best practices, in order to increase the team’s productivity.

The Scrum Master interacts with the product owner mainly to ensure that product goals are clearly communicated to the team, and to properly maintain the product backlog. The Scrum Master also organizes and coaches the team while removing impediments, in order to maximize the effectiveness of the team’s work. Finally, the Scrum Master works with other Masters in the organization to guide the organization in the adoption of Scrum.

* How is Sprint Retrospective different from Sprint Review? Tim
* The Sprint Retrospective occurs after the Sprint Review and prior to the next Sprint Planning
* The result of the Sprint Review is a revised Product Backlog that defines the probable Product Backlog items for the next Sprint.
* By the end of the Sprint Retrospective, the Scrum Team should have identified improvements that it will implement in the next Sprint.
* The Sprint Retrospective provides improvements for how the team operates, whereas the Sprint Review revises the product backlog

=============================Week 2 Day 2 ================================

# Security Requirements

1. The system shall salt passwords being passed between parts of the system to ensure their plaintext value can’t be viewed at any point.
   1. Risk Identification: Hackers get information and access to accounts they should not be able to.
   2. Risk Analysis: Our passwords must be stored safely in our database
   3. Risk Decomposition: Our passwords are stored as plaintext (at first).
   4. Risk Reduction: Salt those passwords!
2. Consumers shall not be able to view the calendars and schedules of other users.
3. Organizers shall not be able to modify the details of events posted by other organizers.

# Safety Requirements

1. Admins shall authenticate postings so criminals/predators cannot create events with the intention of harassing or harming people.