

[student names redacted]

## R&M Software Solutions

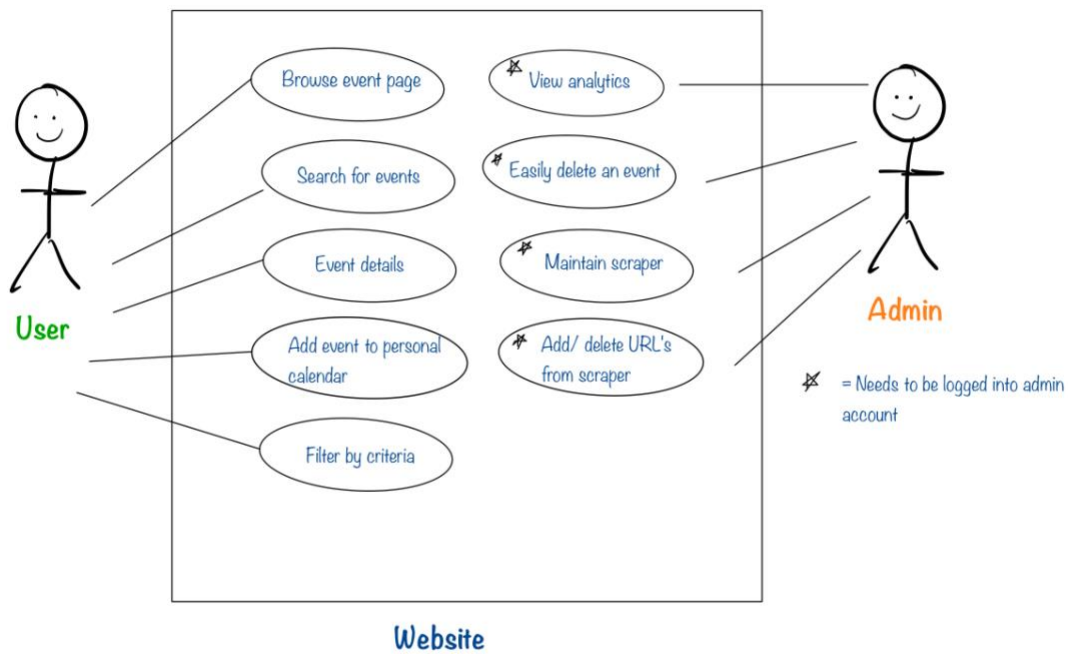
CS 410 Fall 21: System Requirements

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### Narrative

Recovering addicts want a place where they can find events that are friendly to their sober lifestyle. The problem is seeking out these events on the internet can be a hassle; places like Google, Instagram, and Facebook can feel oversaturated. The Glorious Recovery website will refine that information and provide a place for people to find recovery-friendly events. There, they can filter by type of event, location, price, etc. and add them to their own calendar.

### Diagram



## **User Stories (None have to be broken down)**

1. As a user, I want a central place to browse upcoming events designated by the organization so that it's easier to find them.
2. As a user, I want a search function to find events so that I can find specific events.
3. As a user, I want to be able to click on each event to see more details about it so that I can determine if it's something I would be interested in going to.
4. As a user, I want to be able to add an event to my own calendar so that I don't have to do it manually.
5. As a user, I want to be able to filter the events page based on interests, time, and/or location so that I will spend less time clicking on ones I know I won't want to go to.
6. As an admin, I want to be able to add/delete URL's from the scraper list.
7. As an admin, I want to view analytics related to the calendar and events so that I can have the data.
8. As an admin, I want to be able to delete events so that I have control over events that show up which may be inappropriate.
9. As an admin, I want access to the scraper so that I can fix any bugs in the source code.

## **Pre Conditions**

- For story 4, there needs to be a calendar in order to add events to a calendar.
- For stories 6 through 9, a common pre-condition is being logged into Glorious Recovery's wordpress account.

## **Nonfunctional Requirements**

- The software must only pull recovery-friendly events.
- The software must be executed multiple times a day in order to update the website.
- The software must not store or track any personally identifiable information of users.
- The software must be fully functional by the end of the semester.
- The software must not scrape any person's personal information off of Facebook.

## **Glossary**

1. Web Scraper: Python script that pulls relevant event data off of admin-submitted URLs
2. Recovery-friendly event: Event with no alcohol or drugs