KANM Show Scheduling - Sprint 1 Plan

Software Engineering CSCE 606 **September 27th**

Product Owner – Neeraj Julian Joseph Rajkumar

Scrum Master – Ankit Mohanty

Teammates – Ali Nablan, Ankit Mohanty, Davis Beilue, James Nojek, Kriti Sarker, Neeraj Julian Joseph Rajkumar, Toan Vu, Haridher Pandiyan

Pivotal - https://www.pivotaltracker.com/n/projects/2721031

Slack - https://app.slack.com/client/T07NSND4DJ8/C07PD2K9U2U

GitHub - https://github.com/amohanty03/KANM-Show-Scheduling

Deployed App - https://kanm-show-scheduler-b962465e9890.herokuapp.com/

Team Meeting Details - Every Tuesday at 9:00pm on Google Meets

Client Meeting Details - Every Thursday at 6:30pm on Google Meets

S. No	Date	Time	Place	Attendees (client)
1	9/19/2024	6:30 pm	Virtual (Google Meet)	Nayab Warach, Claire Hubenak, Abigail Truman
2	9/26/2024	6:30pm	Virtual (Google Meet)	Nayab Warach, Claire Hubenak, Abigail Truman

Meeting Minutes

(09/19/24)

The client provided an overview of their requirements and existing implementation, and the development team followed up with detailed questions about both the implementation and specifications. These included inquiries such as specifics of the input form, whether the input method could be optimized, how conflicts should be handled, who would be responsible for resolving them, the criteria for scheduling, and who would have access to system credentials.

Following the discussion, we've summarized key points below. Additionally, the client agreed to provide an example of the current input form and a document outlining the various scheduling criteria. We wrapped up the call by confirming a regular weekly meeting time—Thursday evenings—with the sessions primarily being held virtually.

(09/26/24)

The client agreed to share the criteria document and sample of the CSV input.

In case of a conflict, let's say for RJ X, their preferred and alternate time slots are all occupied, in this case, we should create a separate list indicating the details of such RJs without a slot.

We asked about how many schedules we should generate, as in combinations, client said 10, but I don't think we would be generating more than one schedule, we would just be creating a separate list, we will have to look into this further.

Informed the client that we will be having weekly meetings on Thursdays and we would keep them posted on any updates.

Summary

Main Customer Need

KANM operates a website that features schedules for a variety of shows. Radio Jockeys (RJs) currently submit their preferred time slots and alternative options by filling out a Google form. This form collects their names and email addresses for scheduling purposes. The data is stored in a spreadsheet, and any conflicts are identified and resolved through manual review. The client is seeking an advanced automated system that will transform the conflict resolution process, leading to a substantial enhancement in overall efficiency.

How the application meets it

We are planning to create an application that will automate the scheduling process, resolve conflicts, and accommodate a greater number of shows based on the preferences of the RJs. The application will start by collecting input from the RJs, which will then be reviewed and filtered by administrators. Once the input set is finalized, the application will proceed to schedule and generate a calendar that accurately reflects the final schedule.

The scheduling process will take into account the criteria established by the radio administration. In the event of conflicts, the application will present several potential solutions for the administrators to review and select from. The authorized administrators will be provided with secure login credentials to access the system. Within the system, they will have the capability to submit the initial input data, which may be in the form of an Excel sheet. Furthermore, they will have the opportunity to review potential solutions before making a final decision. Once the final schedule is confirmed, it will be available online in a 24-hour calendar format.

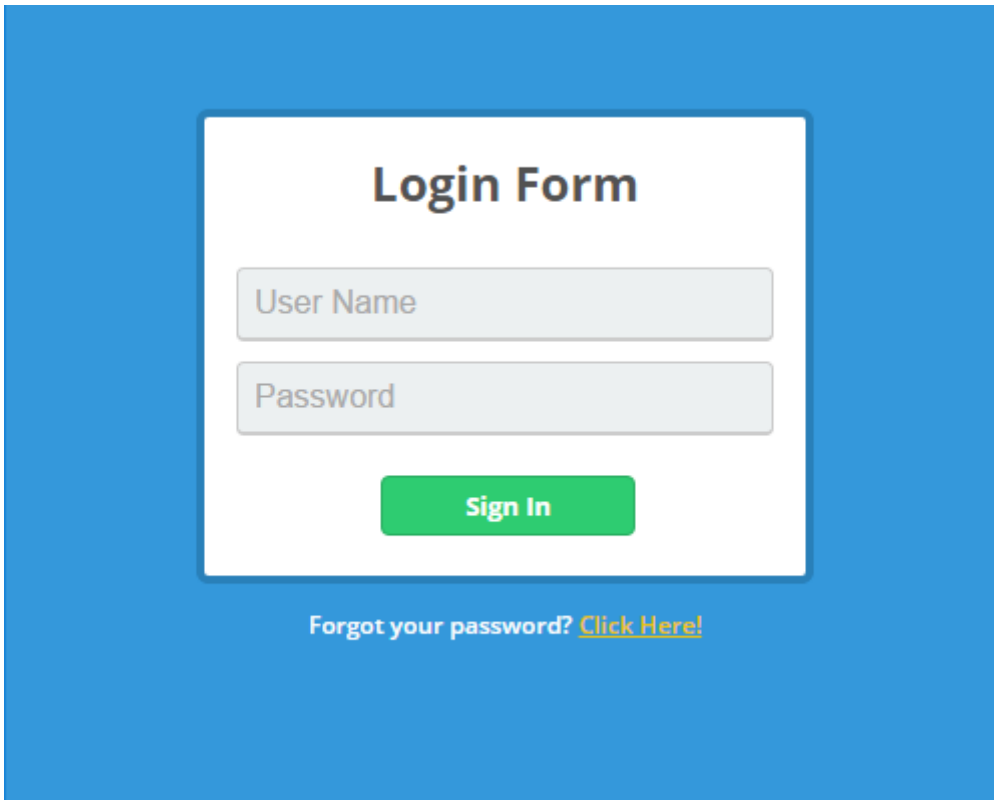
Additionally, an API will be available to view the schedule without requiring authentication. A stretch goal for the project is to integrate with KANM's radio system to load shows into the production environment, in coordination with KANM's webmasters.

Stakeholders

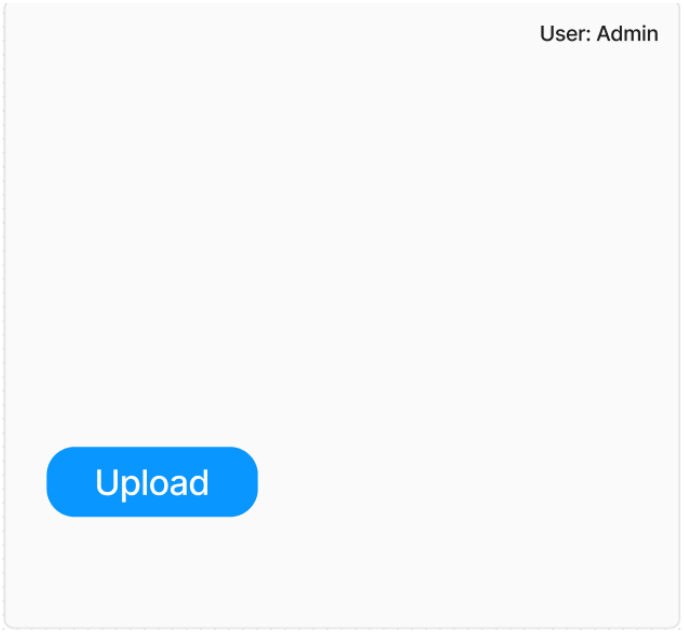
1) RJs, who will complete the form with their scheduling preferences.
2) Radio administrators, who will filter inappropriate submissions and finalize the schedule in case of conflicts.
3) Our development team, responsible for building a system that meets all client requirements and automates the scheduling process.

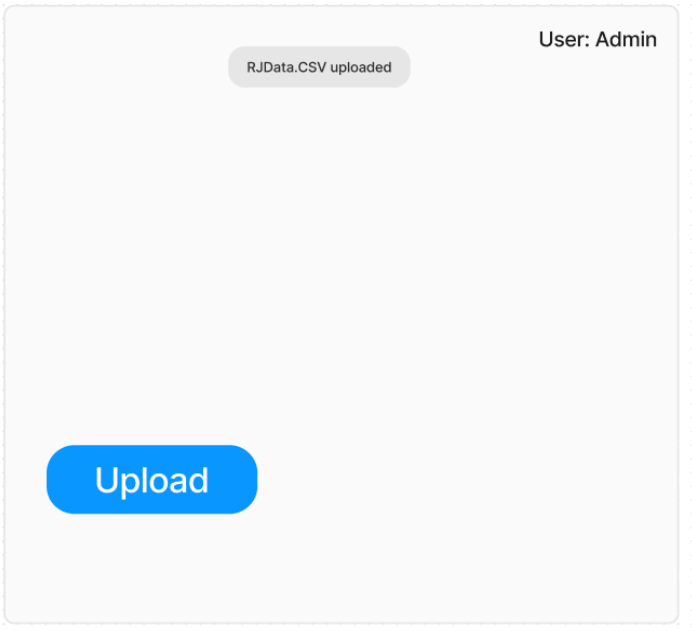
User Stories

Story 1	Assignee	Story Points
Feature: Admin Login As an admin So that I can manage the RJ schedule I want to securely log into the system with the correct credentials If I forget my password I can reset my password with some security questions. I should land at the RJ schedule page after successful login.	Ankit, Toan	3

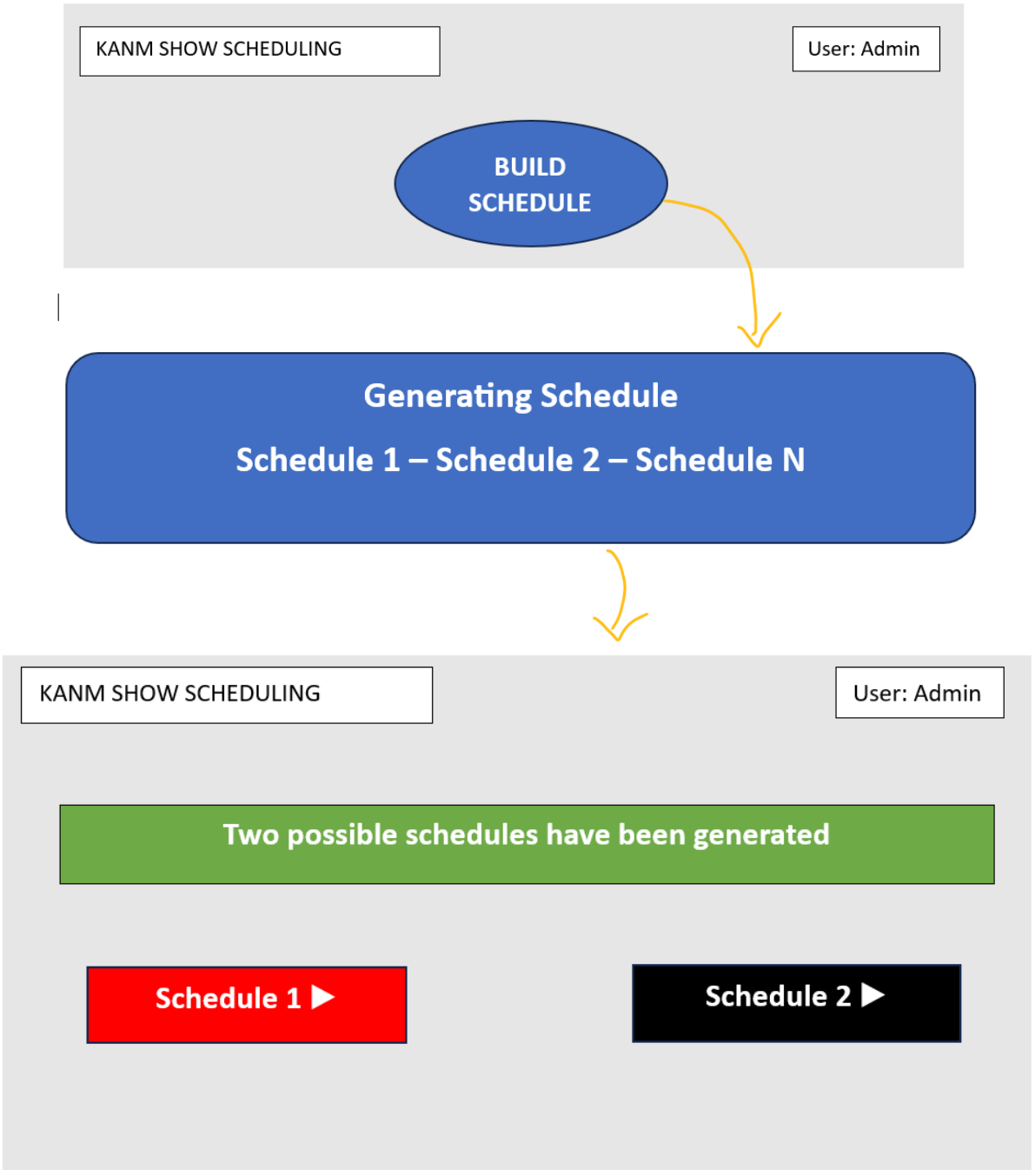


Story 2	Assignee	Story Points
Feature: Upload CSV files As an admin So that I can access the data from the RJ Data CSV file I want to be able to upload the RJ Data CSV file by clicking on the upload button	Ali	2

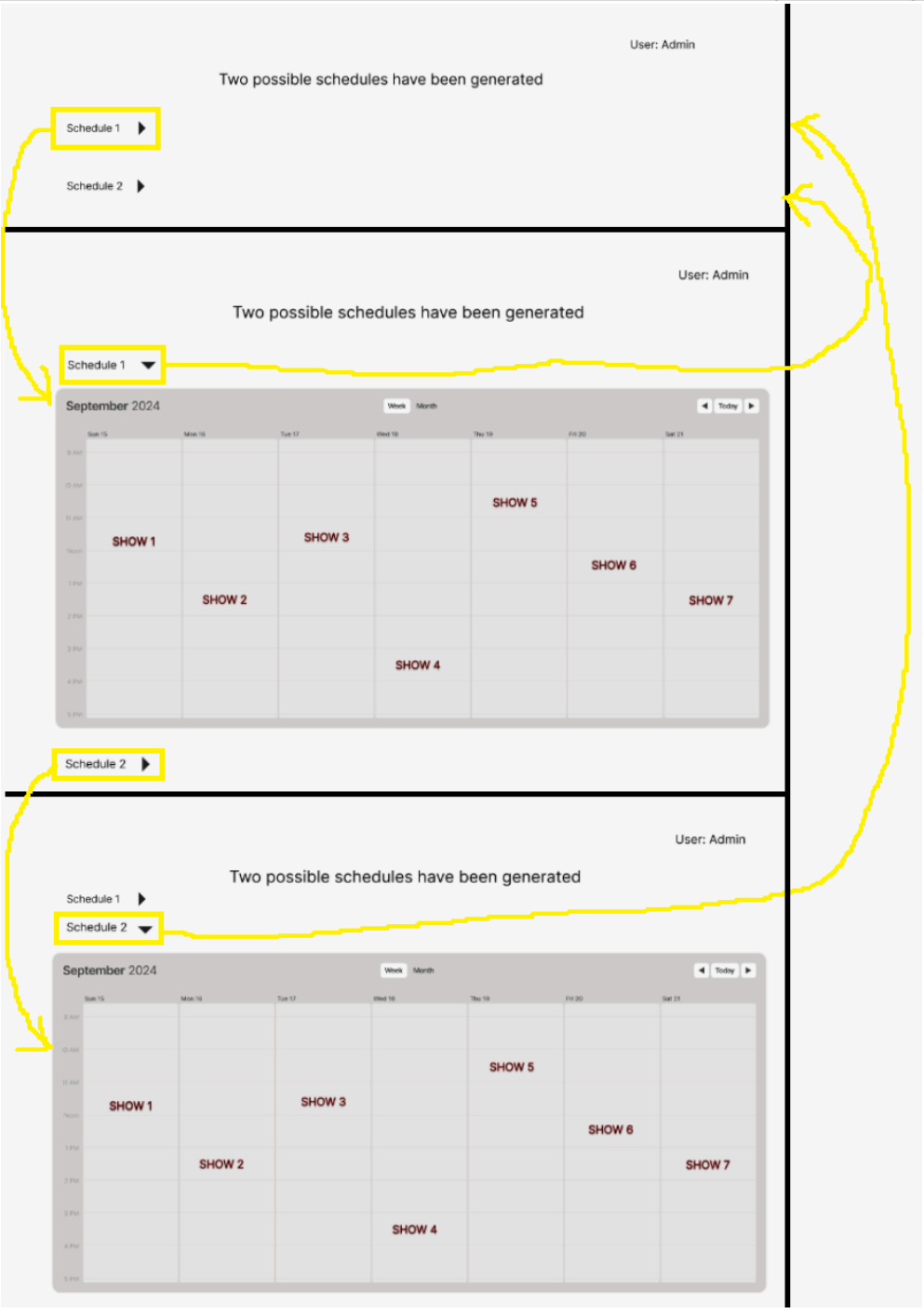




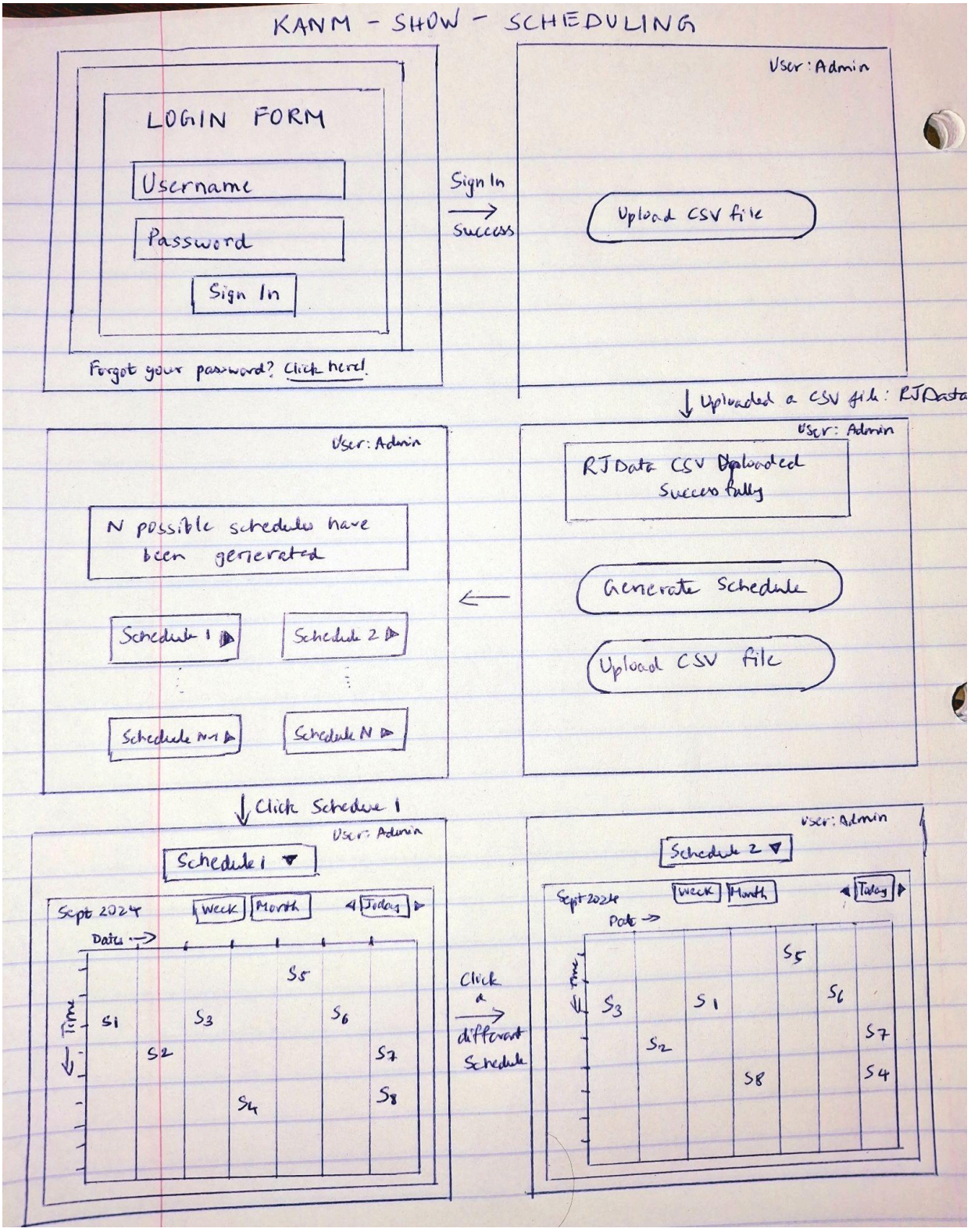
Story 3	Assignee	Story Points
Feature: Build Schedule As an admin So that I can finalize the most suitable schedule that would be published I want to view the different possible schedules by clicking on the build schedule button	Neeraj, Haridher	3



Story 4	Assignee	Story Points
Feature: View Schedule As an admin So that I can visually confirm the time slots for each show I want to view a specific schedule in calendar format when I click on it	Davis, James	2



Storyboard


KANM - SHOW - SCHEDULING
LOGIN FORM
Username
Password
Sign In
Forgot your password? Click here!
Sign In
Success
User: Admin
Upload CSV file
Uploaded a CSV file: RJData
User: Admin
RJData CSV Uploaded Successfully
Generate Schedule
Upload CSV file
User: Admin
N possible schedules have been generated
Schedule 1
Schedule 2
Schedule N-1
Schedule N
Click Schedule 1
User: Admin
Schedule 1
Sept 2024
Week
Month
Today
Date
Time
S1
S2
S3
S4
S5
S6
S7
S8
Click a different Schedule
User: Admin
Schedule 2
Sept 2024
Week
Month
Today
Date
Time
S3
S2
S1
S8
S5
S6
S7
S4

Sprint Backlog

Sprint Goal:

To complete the implementation of the admin login feature, enabling secure access to the RJ schedule system with the appropriate authorization access. This includes providing functionality for password resets and ensuring successful navigation to the RJ schedule page after login. Split stories as we progress through Sprint 1 in preparation for Sprint 2.

Stories Pulled Into The Sprint:

User Story 1 has been pulled into Sprint 1 and has been assigned 3 points.

Time and Assignment:

This task has been assigned to Ankit and Toan. It is estimated to be completed by October 4th, 2024 11:59pm.