Sprint 1 Plan

Team Roles:

Scrum Master: Chengyan Tsai
Product Owner: Ryann
Developers: William, Mahima, Junhyuk, Adithi, Aaron

Customer Meeting:

Customer meeting date/time/place: **(Thursday, 4:40 by zoom)**

Our client gave us a description of the project and told us about the requirements needed. We need to take a spreadsheet of classes and generate all possible combinations of schedules to be chosen by students. The app will be used by around 160 people. The app would also want to be expandable, in case the number of different classes were to be increased, or the number of users were to be increased. We discussed that we would like to have regular meetings on Thursdays at 4:40 by zoom, and that we would be in touch with her by email for other questions or concerns.

Summary:

Our main clients are Texas A&M engineering academy students spread across 10 academies. Our main stakeholders are Austin Community College and Texas A&M University. We will be focusing on the Austin A&M academy first and will implement our program across multiple academies soon after. By our estimates, we expect that around 200 students on average per semester will be using our program and around 300 students maximum. Our main goal is to make a block scheduling program for math, science, and engineering courses where students will be put into one block schedule based on input from spreadsheets. This spreadsheet will take information from a google form that the students will fill out.

Our program needs to account for prerequisites and overlapping time slots across community college classes and Texas A&M classes. It also has to be able to take into account the number of students signed up per section (i.e. send an alert when a certain section is full). Finally our program will be able to take the input from the spreadsheet (which takes input from the Google Form) and let it generate the block schedule.

User Stories:

EA Block Scheduling Program: User Stories Board(3X5)

Feature: Potential student could see information about engineering programs

As a potential engineering student

In order to determine if I want to study a specific engineering field

I can click on the link of the field I am interested in and be taken to that field's information

Feature: Admin user receives important system update notifications

As an admin user

In order to populate the data to be used in calculating block schedules

I can upload a spreadsheet provided by a community college into the application by dragging the file into a place on an upload screen.

As an admin user

So I can know when the block schedules have been calculated

I would like a notification to be sent to my email letting me know the block calculation is complete.

As an admin user

So I can register a student for classes

I would like a notification to be sent to my email with student name, id, and block choice after that student has chosen a block of classes.

Feature: Current students choose from available block schedules

As a current student

So I can view available block schedule classes

I would like to be able to log into a system that knows who I am and my standing in my program

As a current student

So I can register for classes I need

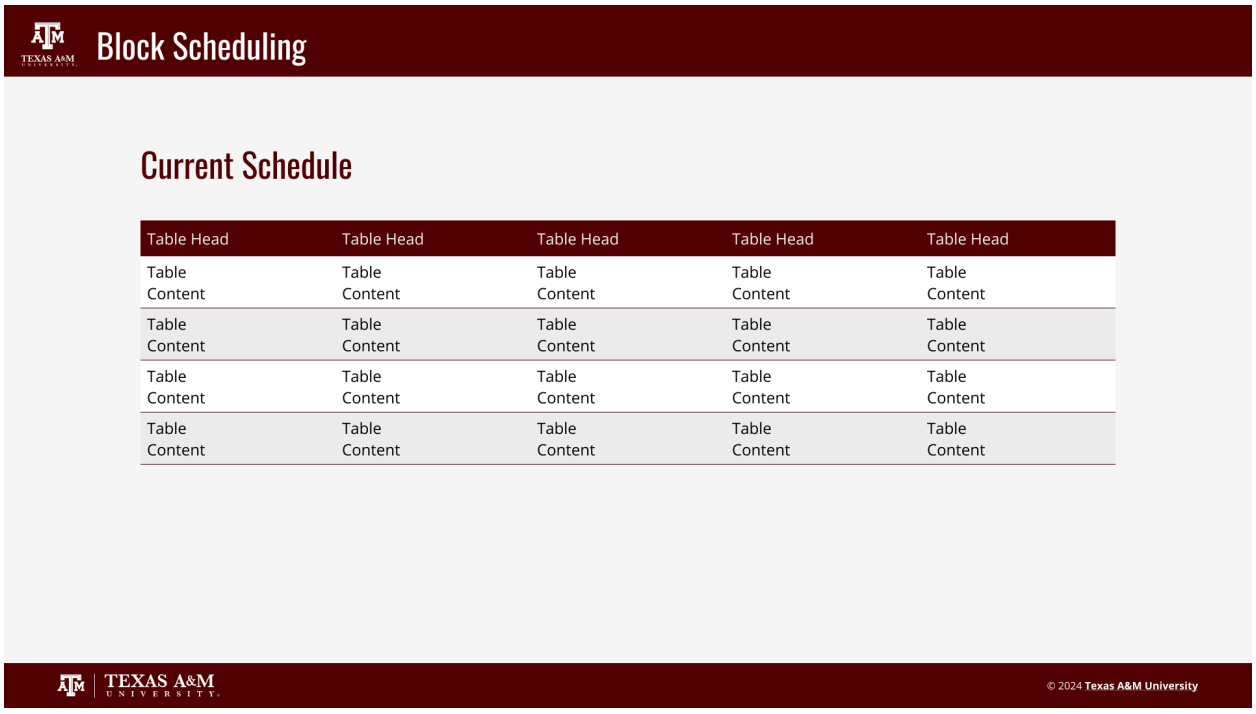
I would like to see all available block schedules pertinent to me and my progress in my program

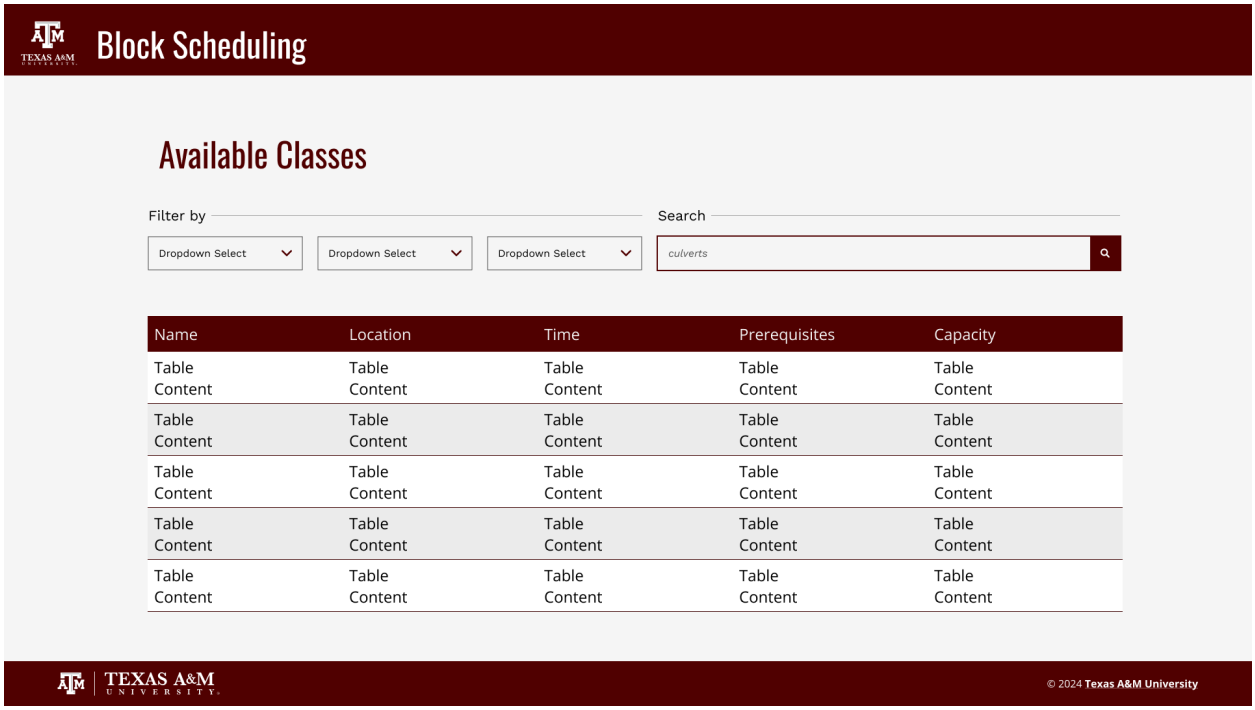
Scene 1: **Landing Page**	**Scene 2:** **Database Schema**
Feature: Add a landing page	Feature: Database schema
As a user	As a developer
I want to be able to see the login page	You should come up with a schema for the database
I can see the sign in button and the sign up button.	Account for multiple schedules and combination of courses
	User data schema

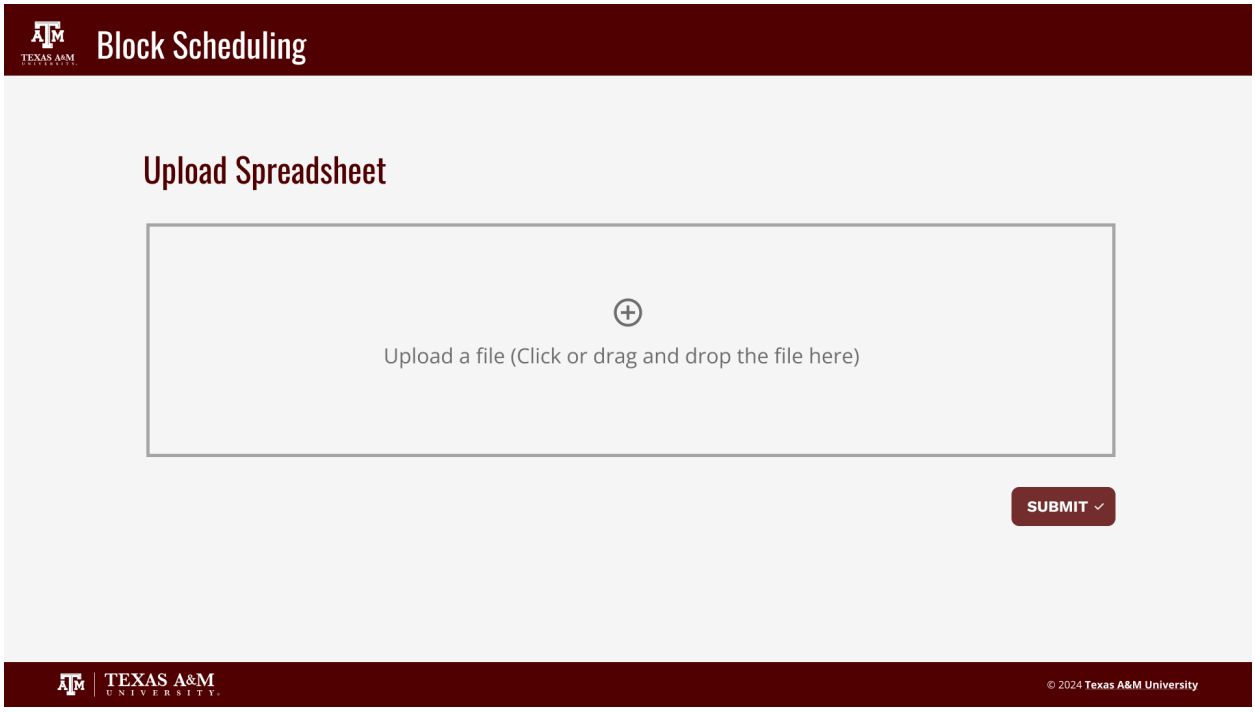
Scene 3: **Upload spreadsheet**	**Scene 4:** **Setup prerequisites for a specific class**
Feature: Upload spreadsheet	Feature: Setup prerequisites
As a user	As a developer
I log in to the system.	I want to add some prerequisites for a specific class.
I see the upload button and I upload the spreadsheet.	I go to the class editing page.
Then I can see my spreadsheet is successfully uploaded into the database.	I add the prerequisites and save my progress.

Scene 5: **Spreadsheet Parser**	**Scene 6:** **Initialize the project and deploy**
Feature: Spreadsheet Parser	Feature: Initialize the project and deploy
As a developer	As a developer
I want to parse an input spreadsheet of classes.	Initialize the Ruby on Rails project.
So that I can add the information to my data model.	Deploy to Heroku.

User Interface:







Links:

Github Repo: https://github.com/tamu-edu-students/EA-Block-Scheduling
Taiga (project page): https://tree.taiga.io/project/aaronjones05-block-scheduler/wiki/home
Slack (invited by tamu email): eablockschedu-p7f8313.slack.com