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Project – Week 1

Project Status:

Our group chose the CBU Tutoring Center Management System for our database project. We picked this idea because it fits really well with the education category and connects to what we experience as students. The goal is to make a database that helps CBU's Academic Success Center keep track of tutors, students, appointments, and feedback more organized. Most of that information would have to be recorded manually, so this system should make scheduling and matching students with tutors a lot easier. It will also help the staff see feedback trends from sessions and determine how to improve the program overall.

During week 1, our team met after class to throw around ideas and agree on the direction for the project. We set up our workspace in Jira, created an epic called "CBU Tutoring Center Management System," and started outlining user stories for the system's main parts. That includes booking appointments, updating tutor availability, adding new users, and generating reports on tutor performance. Each story has clear acceptance criteria, so we know when a task is done and working the way it should.

We also split the responsibilities, so everyone has a part to focus on. Reese is focusing on our epic summary and sprint planning. I am working on the project status summary, and Brandon is in charge of handling the Jira board and user story documentation. We have regularly checked in to ensure everything stays organized and ready for our Week 1 submission.

For this first sprint, our primary goal is to build the system's foundation. That means finishing our ER diagram, creating the main SQL tables, and adding a small sample data set to test how the relationships between students, tutors, and subjects work. By the end of the week, we want a working structure to expand in later sprints with stored procedures, triggers, and reports. Overall, we feel good about our progress so far and confident about the plan for the next few weeks.

Epic Summary:

Our group selected the CBU Tutoring Center Management System as the focus for our database project. This project is designed to support the Academic Success Center at California Baptist University by improving the way tutoring operations are organized and

managed. The database will centralize data related to tutors, students, appointments, and session feedback, eliminating the need for manual tracking and allowing staff to efficiently coordinate tutoring services across departments.

The main goal of this project is to create a relational database that enhances the efficiency and accuracy of tutoring management. Currently, many academic centers rely on spreadsheets or manual sign-in sheets to handle scheduling, student-tutor matching, and feedback collection. Our system will automate these processes, making it easier for administrators to schedule sessions, match students to the appropriate tutors based on subject area, and monitor feedback trends. This will not only improve organization and data accuracy but also help the Academic Success Center identify areas for program improvement.

The system will include features such as tutor management to store and manage tutor profiles including their departments, subject specialties, and availability; student records to maintain student information such as academic departments/courses; appointment scheduling to create and track tutoring sessions while ensuring accurate scheduling and assignment of tutors; session feedback tracking to evaluate tutoring effectiveness.

Upon completion, the CBU Tutoring Center Management System will provide a streamlined and data-driven solution for managing the Academic Success Center's operations. The system will reduce manual work, improve data organization, and enhance decision-making through insights into tutoring effectiveness and student engagement. Ultimately, this project aims to strengthen the support for CBU students and contribute to a more efficient and responsive tutoring program.

User Story Summaries:

Story 1: Tutor Updating Their Time Slots

Persona:

Tutor

Story Summary:

I'm a tutor and would like to use the system to update my current available hours to be accurate after a recent change in my availability.

Functional Description:

The tutor should be able to add, remove, or edit time slots for every subject they are teaching.

Acceptance Criteria:

The user is logged in, they're able to modify their schedule, and their modified time slots are immediately reflected in the database and visible to students attempting to view potential appointment windows.

Story 2: Admin Adding New Users

Persona:

Admin Authorized User

Story Summary:

An admin needs to add a new tutor, who was recently hired, to the system.

Functional Description:

The admin user should be able to add the tutors name, the subjects they teach, as well as their initial availability to their time slots.

Acceptance Criteria:

After receiving valid tutor information, once the new tutor is added, the new tutor user is shown in the director and is available to students who attempt to schedule with their available time slots.

Story 3: Student Viewing Available Time Slots For A Class

Persona:

Student

Story Summary:

A student with a valid account, who is currently falling behind in a subject, wants to view the current available tutoring time slots for their class.

Functional Description:

The student with a valid account is able to log in, select a class, and the relevant time slots are shown to them.

Acceptance Criteria:

When the student is logged in, with a valid account, and queries using valid course information, is given the list of available time slots by the system.

Sprint Planning:

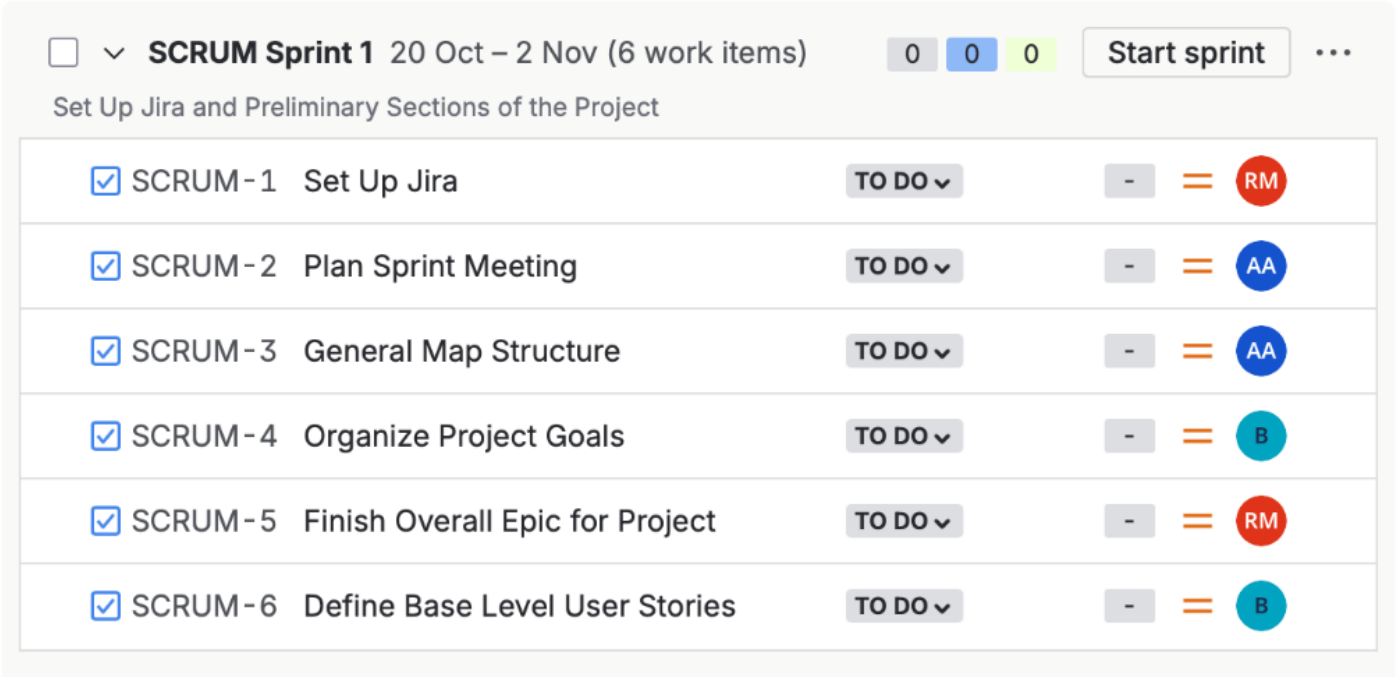
Week 1

- Get general data map structure / ER diagram (Adam)
- Set up Jira (Reese)
- Plan Sprint (Adam)
- Organize project goals (Brandon)
- Finish Overall Epic for project (Reese)
- Define Base Level User Stories (Brandon)

Week 2

- Apply all test data into tables (Adam)
- Test data flow between all tables for structure viability (Reese)
- Begin building queries for base user story cases (Reese)
- Reevaluate database structure after testing (Brandon)
- Check to see if customer needs are met for base cases (Adam)

Screen Shot of Sprint from Jira:


SCRUM Sprint 1 20 Oct – 2 Nov (6 work items)
0
0
0
Start sprint
Set Up Jira and Preliminary Sections of the Project
SCRUM-1 Set Up Jira
TO DO
-
RM
SCRUM-2 Plan Sprint Meeting
TO DO
-
AA
SCRUM-3 General Map Structure
TO DO
-
AA
SCRUM-4 Organize Project Goals
TO DO
-
B
SCRUM-5 Finish Overall Epic for Project
TO DO
-
RM
SCRUM-6 Define Base Level User Stories
TO DO
-
B