Sprint Planning Document (Sprint 3)
Sprint Goal Backlog (Sprint 3)

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High-level Project Overview

Project Mission:

- Blount Compass seeks to provide a convenient, modular web application for use by students and alumni of the Blount program.

Problems We Are Solving:

- **Fostering a Stronger Sense of Community**: The app helps Blount Scholars connect with one another, promoting a sense of belonging and community within the program, and encouraging collaboration and engagement among scholars.
- **Centralizing Access to Resources**: It provides a centralized platform where students can easily access academic materials, involvement opportunities, and local resources, streamlining their academic and personal development in one convenient location.
- **Enhancing Communication and Program Engagement**: The app improves communication within the community by offering a seamless way to share announcements, program updates, and events, ensuring students stay informed and engaged with the Blount Scholars program and its culture.

Project Overview (High-Level Features):

- **Website/Web App:**
  - **Sign-in/up:** Users should be able to sign in with an email/password.
  - **Blount Compass Home Page:** A page giving an overview of the purpose of the Blount Compass. Also, contains links to all the features of the Compass.
  - **Ride Share Forum:** Repurposed job board plugin to allow users to offer rides and easily search and connect with an individual offering a ride. Ride offerors list details such as location, date, and whether the offer is recurring. Ride searchers can search and filter for rides based on those same qualities.
  - **Study Room Reservation:** Allows users to see room utilization for the Blount program study rooms. Users can also request a room reservation, which sends an email to program coordinator Murrie Dixon for approval. Room statuses include occupied and request pending. Utilizes an adapted version of the WP Booking Calendar plug-in.
  - **News Feed:** Admins (Whiting) can upload current events and news articles that he is interested in Blountees reading.
  - **Tuscaloosa Events:** Users looking for an activity can learn about upcoming events happening in the Tuscaloosa community.
- **Service**
  - WordPress

- **Database:** Data for users, room schedules, ride-share requests, etc.
- **Hosting:** Host on university servers.
- **Authentication:** Use OAuth.

Sprint 3 Planning

<u>Sprint 3 Goals:</u>

1. **Implement OAuth login for UA system Microsoft accounts**
2. **Create news feed pages for multiple scopes**
3. **Research potential cybersecurity risks associated with WordPress.**
4. **Implement the Blount Compass section pages.**
5. **Implement recurring bookings.**
6. **Increase timeline functionality.**
7. **Update booking form with validation.**
8. **Further develop the ride-share forum page.**
9. **Implement Philosopher AI models**

<u>Sprint 3 Deliverables:</u>

- **Reconfigure OAuth plugin to validate whitelisted users to login and access student pages and allow admin OAuth:**
  - **Assigned:** Nicholas
  - Rewire the current plugin code to only allow users who are already registered to login using the OAuth service and implement functionality for the admins to use OAuth to login as well
  - Implement mass import of user by csv to allow for mass registering of Blount students into user database
- **Research potential cybersecurity risks associated with WordPress:**
  - **Assigned:** Andrés
  - Research relevant CVEs, their exploitability and risk. Communicate with team and Cyber Security assessors.
  - Summarize findings into a concise report with recommendations.
- **Secure the WordPress login page to potential vulnerabilities:**
  - **Assigned:** Nicholas
  - Update login page to implement input sanitization, limited login attempts by IP address, and more vague error messaging to ensure security against possible login threats
- **Implement recurring bookings:**
  - **Assigned:** Hannah
  - Determine information necessary for recurring booking series.

- ○ Create procedure on mySQL server to create recurring entries given parameters.
- ○ Create page for admin to add recurring bookings.
  - ■ Create new shortcode for the booking calendar plug-in with form
  - ■ Update client.js with additional functionality for recurring submissions
  - ■ Create AJAX hook to call procedure

● Increase timeline functionality:
- ○ **Assigned:** Hannah
- ○ Divide timeline into 30-minute cells
  - ■ Alter time array creation to create more cells, and calculate cell assignment differently
  - ■ Alter CSS assignment for current time to account for 30-minute cells
- ○ Link timeline and booking calendar navigation, when both are present
- ○ Make timeline cells clickable when they are available to be booked

● Update booking form:
- ○ **Assigned:** Hannah
- ○ Determine how to enforce booking an available room
- ○ Add timeline to booking form page
- ○ Link timeline and booking calendar navigation, when both are present
- ○ Populate time and room selection from timeline selection
- ○ Disable auto-populated fields in form generation

● Ride-share forum page development:
- ○ **Assigned:** Khushi
- ○ Further refined and customized the job board plugin for ride share purposes.
- ○ Added custom fields to the form.
- ○ Ensured data from custom fields is stored and retrievable.
- ○ Displays content from custom fields on a ride post.
- ○ Added a feature to send email notifications to a user (UA Crimson email on Outlook) when their post has been approved by an administrator.
- ○ Added Google Map hyperlinks on locations. Opens a new tab that queries Google Maps with the location provided.

● Create and Implement Philosopher AI Models:
- ○ **Assigned:** Chandler, Andres
- ○ Design Philosopher AI page
- ○ Train models for multiple philosophers
- ○ Implement chat capabilities for end users