

2.1 User Account Management

- **Single Sign-On Integration:** Seamless sign-in using Penn State SSO for immediate verification as a Penn State student or faculty member.
- **Profile Customization:** Users can personalize their profiles by selecting event interests and preferred notification settings.
- **Account Deletion Option:** Provide users with the ability to delete their accounts directly within the application.

2.2 Campus Navigation

- **Interactive Campus Map:** A comprehensive and interactive map of the Penn State Harrisburg campus, showcasing buildings, points of interest, and facilities. Users can also pin locations and receive live updates on campus events.
- **Advanced Search Capability:** Users can efficiently search for specific events or services on the campus map, with options to filter through events of interest and upcoming activities.

2.3 Event and Activity Tracking

- **Detailed Event Information:** Each event listing includes comprehensive details such as descriptions, timings, and locations. Users can easily add events to their interests and view them in list format.
- **Automated Notifications:** Users receive timely notifications and reminders regarding upcoming events and any changes in event details.

2.4 Reporting and Community Engagement

- **Activity Reporting:** Users have the ability to report activities or incidents by dropping a pin on the map and providing a description.

2.5 Campus Services and Resources

- **Service Locator:** A convenient feature to locate campus services such as health centers, counseling services, and academic offices.
- **Comprehensive Information Access:** Users can access essential details about each service, including operating hours and contact information.

2.6 Safety and Emergency Features

- **Emergency Button Location Mapping:** Map overlay indicating the precise locations of emergency buttons across the campus for enhanced safety.

2.7 Campus Construction and Maintenance Updates

- **Construction Area Notifications:** Timely alerts and updates on ongoing construction or maintenance activities on campus.
- **Crime Alerts:** Notifications regarding any nearby crimes for increased awareness and safety.
- **Route Adjustment Recommendations:** Suggestions for alternative routes to navigate around construction areas effectively.

2.8 User Feedback and Ratings

- **Feedback Collection:** Implement a feedback mechanism to gather user feedback and suggestions regarding the application's functionality, usability, and features
- **Email Support Integration:** Provide seamless access to customer support via email by guiding users to draft an email directly within the application.

2.9 Academic Support

- **Study Group Formation:** Facilitate the formation of study groups based on course enrollments or academic interests, promoting collaborative learning.

2.10 Religious Events and Services

- **Prayer Room Locator:** Offer information on designated prayer rooms or spaces available on campus for students and faculty to observe their religious practices.
- **Religious Organization Directory:** Create a directory of religious organizations or groups active on campus, including contact information and meeting schedules.

2.11 User-Submitted Events

- **Event Submission:** Allow users to submit events through the application, providing details such as event title, description, date, time, and location.
- **Admin Approval Process:** Implement an approval workflow where submitted events are reviewed by administrators before being added to the map.
- **Notification of Approval:** Notify users via email or in-app notification once their submitted event is approved and added to the map.

2.12 User Activity History

- **Report History:** Allow users to view a history of reports they have submitted, including details such as the date of submission and the status of each report (e.g., resolved, pending).
- **Submitted Events History:** Provide users with a log of events they have submitted, displaying information such as event title, submission date, and approval status.
- **Attended Events History:** Enable users to track events they have attended, including past events, with details such as event name, date, and location.