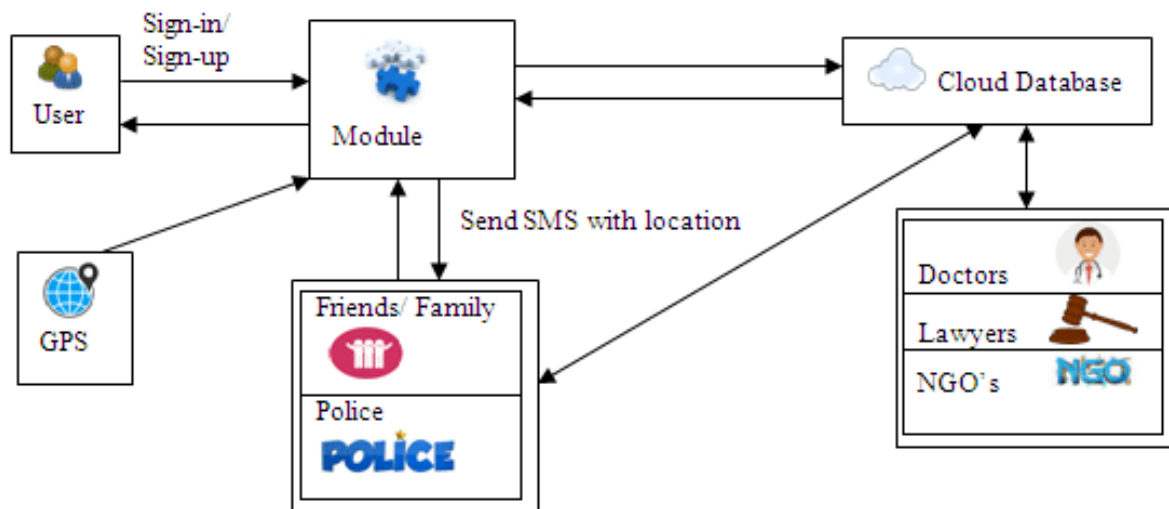


SE EXP 7: Architecture



SHORTCOMINGS For Women Safety and Period Management App:

1. **Inaccurate Predictions:** Period tracking apps often use algorithms and user input to predict menstrual and ovulation dates, which can be unreliable for those with irregular cycles.
2. **Lack of Inclusivity:** Many apps are designed for cisgender, heterosexual users, excluding LGBTQ+ individuals and those with non-binary gender identities.
3. **Privacy Concerns:** Some apps collect and share user data without consent, posing privacy and security risks, especially for sensitive information.
4. **Limited Educational Resources:** Many apps lack comprehensive information on reproductive health, sexual education, and healthy relationships.
5. **Cultural Sensitivity:** Apps may not consider cultural and regional variations in menstrual practices, potentially leading to insensitivity or misinformation.
6. **Insufficient Safety Features:** Some women's safety apps lack critical features like real-time location tracking and self-defense resources.
7. **Limited Accessibility:** Accessibility features for different languages, disabilities, and user-friendly design may be inadequate.
8. **Reliance on Technology:** The assumption of smartphone and internet access excludes those without these resources.
9. **Inadequate Mental Health Support:** Some apps focus on physical health but neglect mental health aspects, like addressing PMS and emotional impacts.
10. **Sustainability Concerns:** Some apps promote disposable products without considering eco-friendly options.
11. **User Engagement and Retention:** Many apps struggle to maintain long-term user engagement, limiting their benefits.
12. **Stereotyping and Stigmatization:** Some apps perpetuate stereotypes and stigma surrounding menstruation and women's safety, contributing to negative cultural perspectives.

UPDATES For Women Safety and Period Management App:

1. Enhanced Privacy and Security:

- Implement robust data encryption and user consent mechanisms.
- Enable users to manage data sharing with third parties.
- Educate users about privacy settings and data protection.

2. Inclusivity and Diversity:

- Foster inclusivity for LGBTQ+ individuals and those with diverse gender identities.
- Offer content in multiple languages for a global audience.
- Provide information on different cultural practices related to menstruation.

3. Accuracy and Customization:

- Improve period prediction accuracy with AI and machine learning.
- Allow users to input additional health data for more precise predictions.
- Offer customizable settings for varying cycle lengths and irregularities.

4. Educational Resources:

- Provide comprehensive and evidence-based information on menstrual health and safety.
- Include educational content on reproductive health, sexual education, and healthy relationships.
- Keep users informed and engaged with articles, videos, and quizzes.

5. Safety Features:

- Incorporate real-time location tracking and safety alerts.
- Enable quick access to emergency contacts and authorities.
- Provide self-defence resources and safety tips.

6. Accessibility:

- Ensure accessibility for people with disabilities through screen readers and voice commands.
- Offer multilingual support and culturally sensitive design.

7. Mental Health Support:

- Integrate features for tracking and managing PMS symptoms and emotional changes.
- Include mindfulness exercises, stress-reduction techniques, and resources for addressing mental health challenges related to menstruation and safety.

8. Sustainability:

- Promote eco-friendly period products and sustainable practices.
- Educate users on the environmental impact of different menstrual products.

9. User Engagement and Retention:

- Create a community feature for users to connect, share experiences, and seek support.
- Send personalised reminders and notifications based on users' preferences and cycle tracking.

10. Mood and Symptom Tracking:

- Allow users to log and track emotional changes and physical symptoms throughout their menstrual cycle.
- Provide insights and recommendations based on users' symptom patterns.

11. User Feedback and Continuous Improvement:

- Encourage user feedback and suggestions for ongoing app enhancements.

- Regularly update the app to meet evolving user needs.

12. Integration with Healthcare Providers:

- Enable users to share data with healthcare professionals for better health management and consultations.

POSTLABS: