



Application Development for Mobile and Ubiquitous Computing

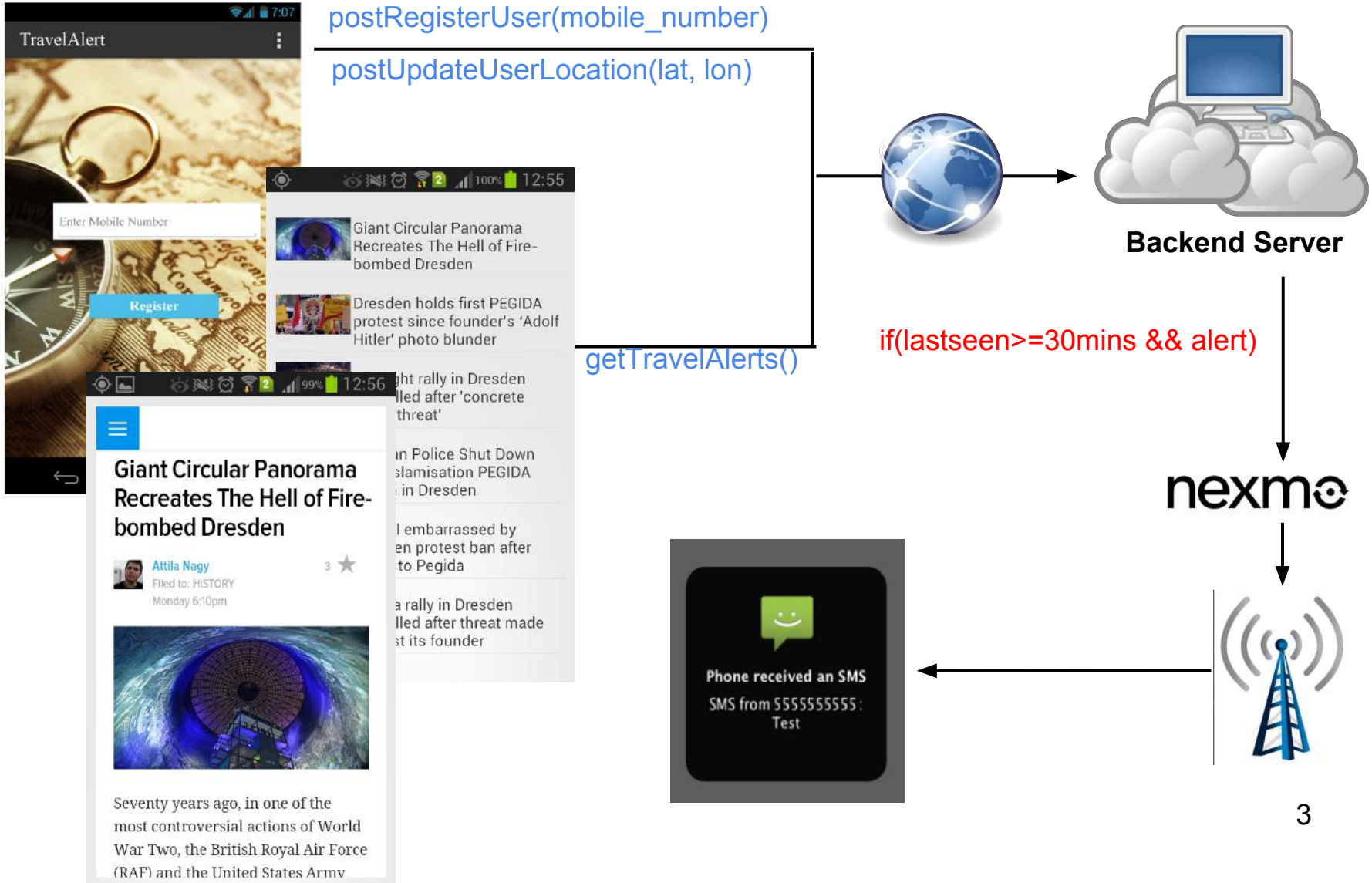
Seminar Task Final Presentation

GroupNo.3: TravelAlert
Team: Subramanya Joshi, Xi Luo

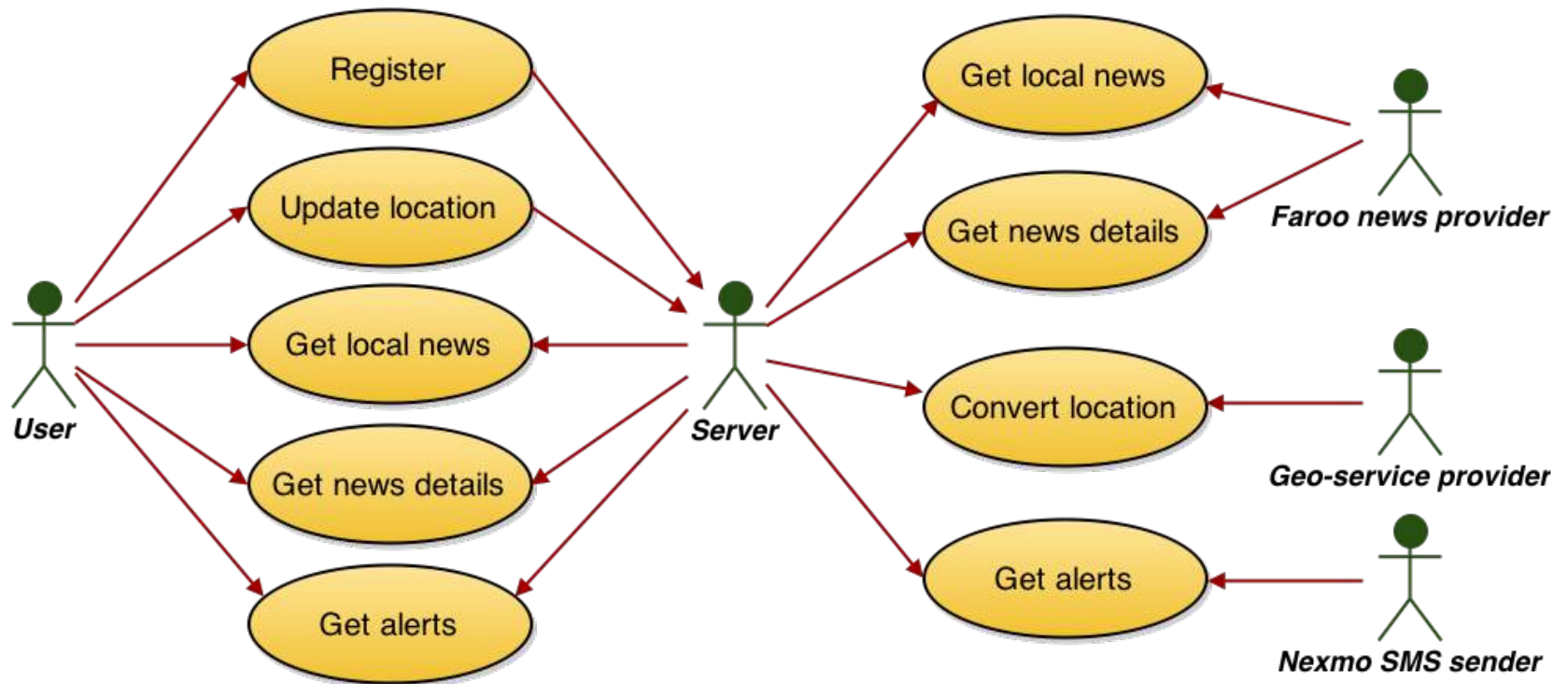
- **Prototype**
 - Detailed concept
 - Implementation details
 - Use cases
- **Discussion/Assessment**
 - Contributions and limitations
 - Tackled issues
 - Pitfalls and experiences

■ Motivation

- Fetch real-time information for travellers.
- Information about the visiting city, e.g. latest events , news etc.
- In case of user offline mode and high security situations (e.g. security attack and natural disasters) an SMS will be sent.



Use Cases



- **Contribution**

- Simple and one-step registration.
- Location Strategies: GPS, Cell-ID, and Wi-Fi
- Free of cost SMS alerts when user is offline.

- **Limitations**

- Language localisation.
- Internet usage.

■ Tackled issues

- Simple-fast rest API.
- Determining when is user is offline?
 - > A cronjob at backend monitor periodically for user location update.
 - > In case of security alert, an SMS is sent.
- Setting up the communication with SMS gateway.
- Async image download.

■ Pitfalls

- Not implement mobile number verification.
- Not implement responsive content layout.

Thank You!
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Questions?