

## Back of the Envelope Calculation

- Targeted number of users : 1,000,000
- Targeted Geographical location of users : United States of America
- Manpower skillset required
  - 1 front end
  - 2 backend
  - 1 devops
  - 1 system analyst
  - 1 quality Assurance
- Development time span: 14 days
- Memory allocation
  - User Profile Storage: 10MB
  - User Peep Storage: 50MB
  - System Minimum Storage (User storage (60MB) \* targeted users (1million)): 60TB
- Users peak time: 7:30 PM
- Platform targeted: Web / (Mobile as second phase)
- Scalability plans:
  - Moving from ORM database system (Mysql) to NoSql (SQL Graph)
  - Deployment of more servers
- CAP Theorem Compliance: Consistence and Availability
- Failure tolerance technique
  - Use of node load balancer