

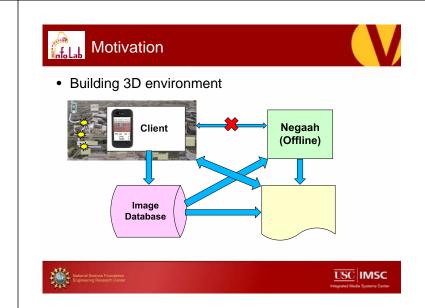
Geospatial Information Management Project Proposal

Arc-GeoSIM

Bei Pan (Penny) Grady Laksmono Karan Ashar









Tasks - Grady



- Setting up the development environment [DONE]
 - · Tomcat, Eclipse, JS Library
 - · Get the Negaah code
- · User interface design
 - · Porting Negaah client-side to web-app
- Integrate the query with the web-app (P&G&K)
- Using ArcScene to visualize 3D model & embedded into web (P&G)
- Add more user interact tools & Show statistic information of GeoSIM (P&G)
- Research & Testing









- · Setting up the required software's
 - Oracle, ArcTools
- · Image Data Generation
 - · Using Nokia N80 Cell phone
- · Background query support
 - · Spatial Query design under background of GeoSIM
 - Implement Spatial and Temporal queries (K & P)
 - Implement complicated queries such as such as trajectory query, CkNN
- Integrate queries with web-application (P & G & K)
- Embed queries to web-application (P & K)
- Testing and Researching (P & G & K)





info Lab Ta

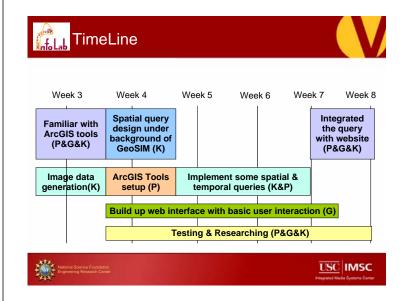
Tasks - Penny

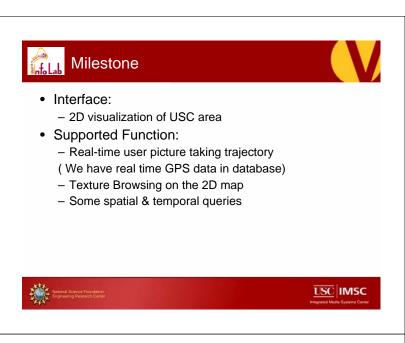


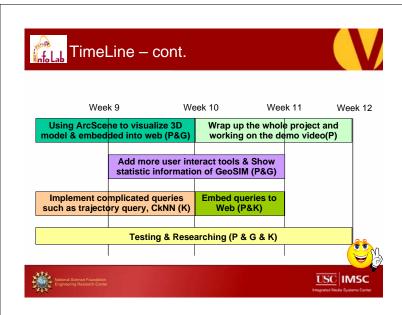
- In charge of ArcGIS Tools setting
- Coordinate website and ArcGIS tools
- Implement some queries with Karan
- 3D modeling with ArcScene
 - Construct building model with DEM data
 - Show paths or images in the 3D environment
- In charge of the whole project
- · Final demo:
 - Demo video
 - Cell phone online testing













- Supported Function:
 - Spatial & Temporal (Text) Queries on texture
 - User could tag and browsing the texture (Tagging, browsing, and rating images)
 - User could see the route on 3D model as a guide while taking pictures
 - Present some statistics information for GeoSim (who is the best texture captured user, which building is fully covered, needs oracle access)





