iCampus Mobile

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Introduction

• Motivation: the popularity of smart phones, and availability of data allow us to create an application that provide students with useful services, and allow them to share their experience

Integrate various types of data, including public data (Google Map, Facebook, Twitter), user data (picture, location), USC's private data (event, alert)

Uses the four dimensions of "what, when, where and who", and allow USC community members to easily add their own apps

Motivation

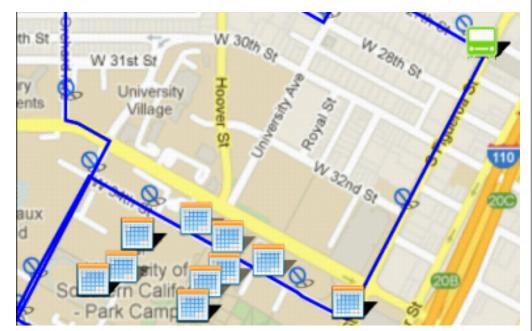
+ Public data, user data, and USC's private data + Multiple layers of objects on map: buildings, trams, food images, etc Trams Foods Intelligent location-based services + Location context awareness Universi + Location search and navigation

Capability

+ Nearby, most recent queries, etc







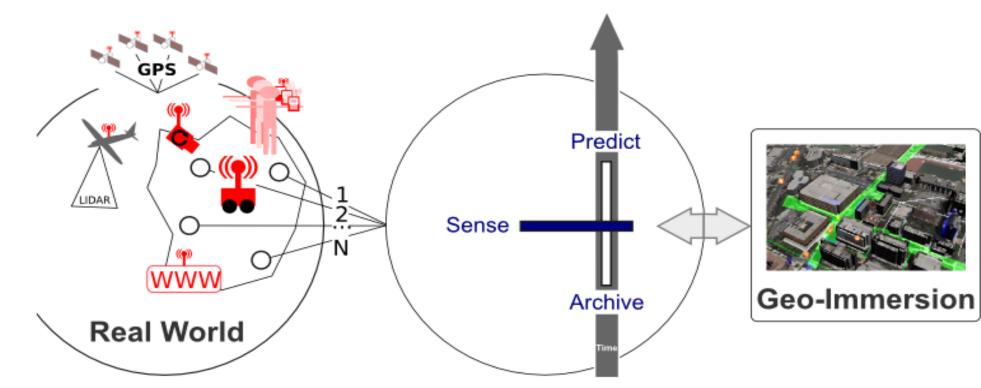


Geo-Immersion

- + Blends the real world and geo-realistic virtual world
- + Enable immersive data access, querying and analysis

+ Provide advanced solutions for existing applications, as well as novel solutions for new applications

IMSC's Current Vision: Geo-Immersion Geo-Realistic Virtualization of Urban Environments



iCampus desktop extension

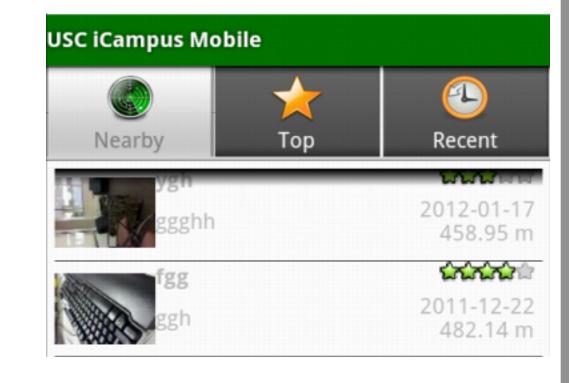
- + Convenient: information at your fingertips
- + Faster communication: stay connected
- + Location-based services: context awareness

System Architecture

- + Real-time monitoring and report
- + Real-time trajectory tracking
- + GPS error resilience

Rich data integration





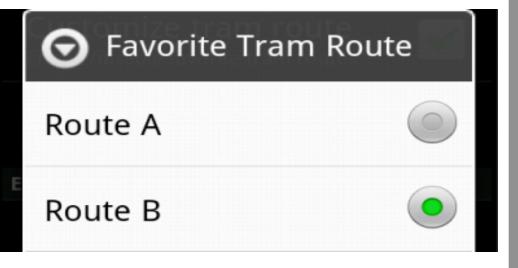
Personalized and customized services

+ Tram routes: route A, route B, route C, Parking Center

- + Event categories: music, art, technology, etc
- + GUI parameters configuration
- + Trajectory enable/disable

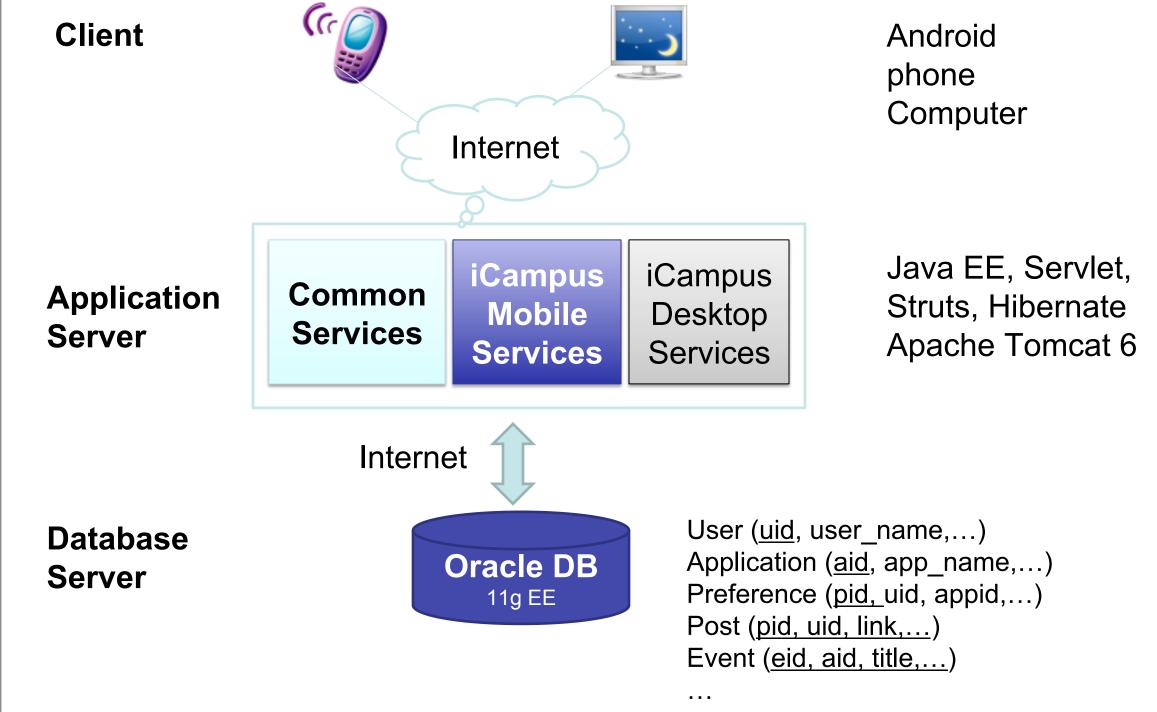
Social network integration

- + Facebook signup for authorization
- + Facebook feed & message



facebook	
Get Facebook for Android and browse faster.	
You must log in first.	
Email or Phone:	
ubri_130688@yahoo.com	

- Geo-social mobile technologies
- Standard three-tiers application
- Desktop browsers and mobile interfaces (Android, iPhone)
- Participatory sensing (user data collection)



-	y sensing/privacy: users share their image, location, trajector
	attern mining from users' history location
	ata streaming/query/integration: database, performance
INobile geo-	social technologies/applications

Collect more data such as user generated videos, Twitter/Facebook messages about USC

Develop more features of geo-social apps, including check in/out



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