



University of Computer Studies, Yangon

Guiding Location and Transportation Services for Yangon Metropolitan Area

Myat Thiri Khine,
Myint Myint Sein
K-zin Phyo



Location Based Service for Myanmar

- Location-based services provide the user for getting day-to-day useful information like city routes, point of interest (POI), public transport schedules, etc.
- For traveler
 - Difficult to know bus information
 - Difficult to find the places
- Requirements of the cities of Myanmar is to fulfill the effective location and transportation services

Transportation in Myanmar



Public Bus Transportation in Yangon



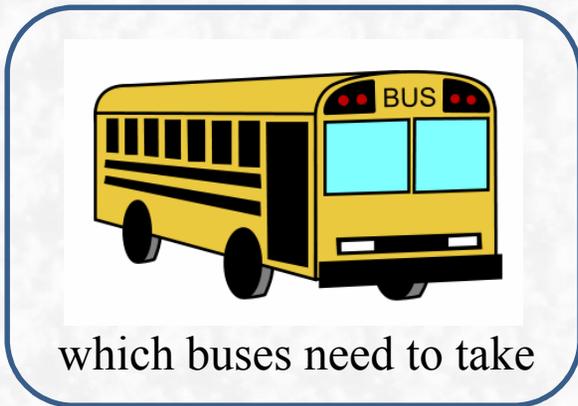
- over 250 bus lines
- over 2.5 million commuters a day
- nearly 2000 bus stops in Yangon downtown area

Location in Yangon?

Famous Places



Bus Stop



which buses need to take



Restaurant



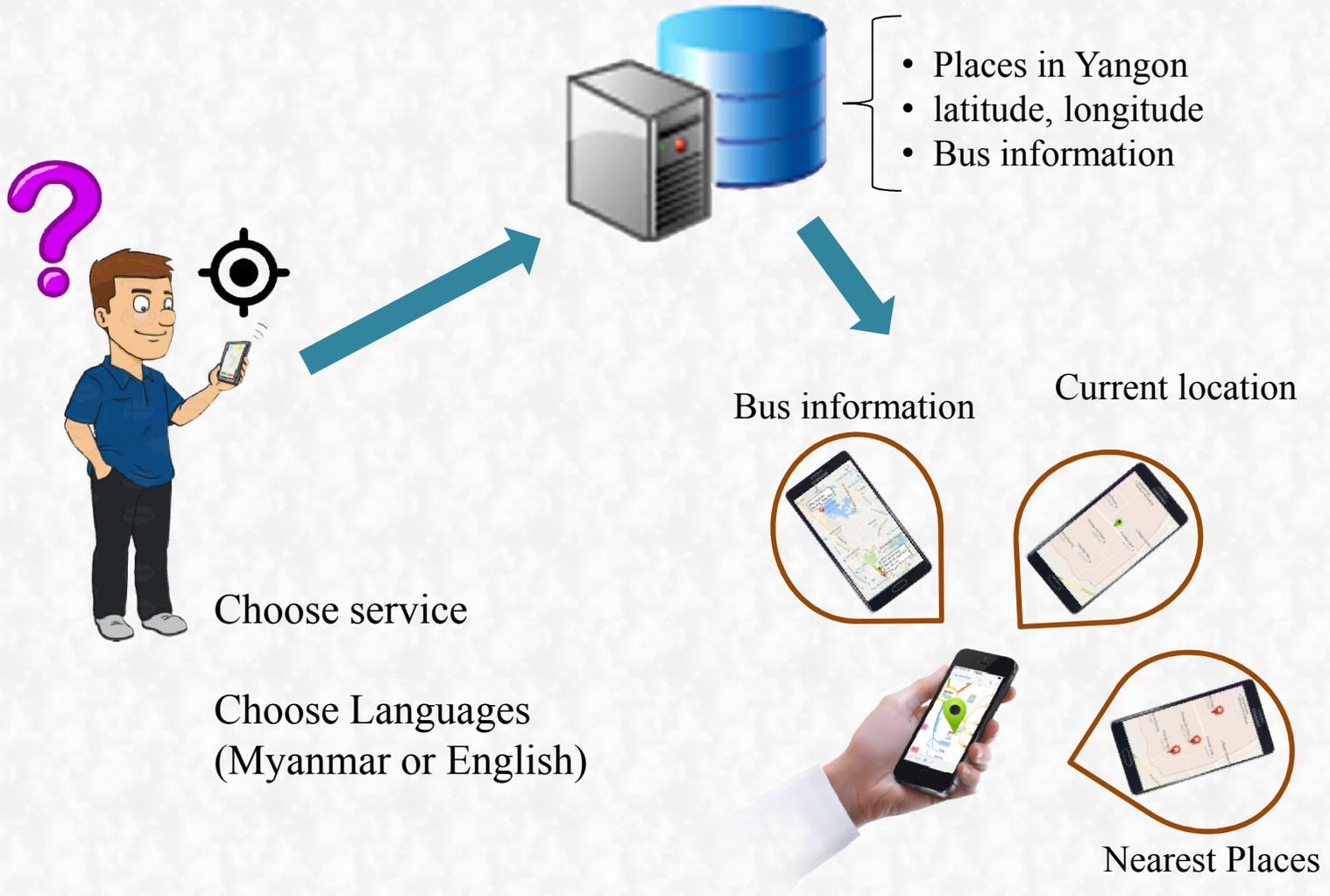
Market



Hotel

ATM
Hospital
Embassy

System Design



Conclusions

- Location-based service application is developed for Yangon Region.
- User can easily use it on the mobile devices with two languages (Myanmar and English).
- It provides both tourists and local people to easily search the desired places and required bus information to get the destination effectively and efficiently.

References

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- [2] Myat Thiri Khine and Myint Myint Sein, “ Index Structure for Spatial Keyword Query with Myanmar Language on the Mobile Devices” MobiSys 2016, Singapore.
- [3] Myat Thiri Khine and Myint Myint Sein, “ Location and Transporation Services for Yangon Region”, ICSE 2016, Myanmar.

THANK YOU