

Application Development for Mobile and Ubiquitous Computing

Seminar Task First Presentation

Team: Paolo Aguilar, Ruth Vela

▪ Objective

- Using Bing, the new web search engine by Windows, we will give the user the opportunity to search, in a very simple way, for internet images. This application will be made with Android.



▪ Why Bing?

- Bing counts with an API that allows developers to experiment with this new search engine.
- Use Bing's Search Categories to narrow down searches.
- Compare Bing's capabilities against other search engines.

- **Why Android?**
- Android gives the developer the opportunity to enhance his applications.
- Has a promising future in the mobile application development.

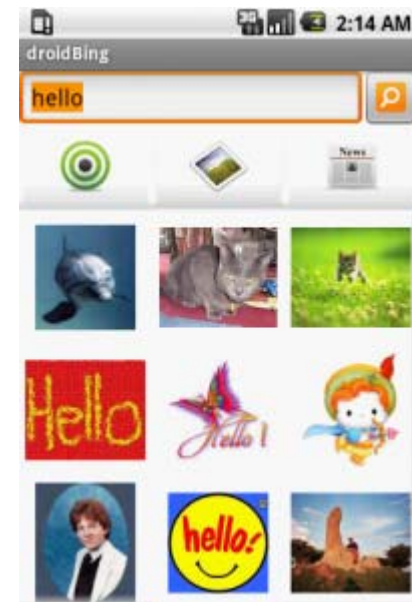


■ Use Cases

- The user will have the possibility to choose between Web Content Search or Image search, and how many results he would like to get from the application.
 - User will be able to input a desired image search using Bing's Search Categories.
 - A certain number of images will be displayed as chosen by the user with the possibility to enlarge a desired image within the cellphone capabilities.
 - If possible, store images in cellphone memory. (Determined by the device.)

- For the content the users will also use the Search Categories to narrow down the results.
 - The display of the text will be done in the most friendly way without images and the amount of text will be decided by the user. (Depending on the source page.)

- Technologies:
 - Android
 - Bing WebService
 - Bing API version 2.0
 - Access via SOAP



- Fit the images into the Mobile Display in a clear fashion.
- Develop a friendly GUI and overall interaction with user.
- Proper control of image size and color for both image and text.
- Proper control of Web Content displayed in the Mobile Device.
- Proper connections between Parties.
- Data Base design and implementation.
- Explore Bing's API and Android's features.

- 30.10.09 First Presentation
- 31.10.09 through 19.11.09 : Explore Bing's API, develop first GUIs, SOAP connection between devices. Also explore Android's media libraries.
- 20.11.09 through 18.12.09: Develop screen flow in mobile device. Rough and finer image view in cellphone (Thumbnails). Preliminary view of image.
- 18.12.09 Second Presentation
- 19.12.09 through 29.01.10: Use Bing Search Categories to narrow down results. Explore Android's SQLite capabilities and adjust them to our application.

-Questions?

-THANKS!