CS587 Course Project Discussion

Presented by Afsin Akdogan
Rules@USC

• Deadline
  – 11/27/2012 11:59 PM

• How to submit
  – Blackboard
  – One team member should submit the project

• Submission Format
  – Put everything in teamxx.zip (team20.zip)

• Late penalty: 25% of the total points possible penalty per day. Therefore, no late submission will be accepted after 4 days past deadline.
Rules@UIT

• Deadline
  – 12/10/2012 11:59 PM

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  – Email Hien (hto@usc.edu)
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Rules@HCMUT

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Deliverables

• Android project package (including src, res, lib, manifest.xml)
• Server-side java package (src, lib)
• Tech report on explaining the program and how it works (installation, execution, major modules, snapshots of the running program, etc...)
Tech Report

• Requirements
  – Basic functionalities
  – Client Side
    • screenshots
  – Server side
    • servlets
  – Database design + Spatial queries
    • Oracle spatial or RDBMS?
  – New Ideas

• Best project report in 2010
Demo@USC

• Pick a date to demo your project
  – 11/28/2012
  – 12/03/2012

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<th>Team No</th>
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Demo

• 10 minute presentation
  – Don’t make the presentation similar to the tech report.
  – Describe the application
  – Show the functionalities
  – Pick a scenario and run it.
  – Sample presentation
Demo

How to demo?

1) Only presentation with screenshots. No live demo.

2) Video of the application + presentation.
   • You can use the emulator on your PC and record the screen. Free software available on the web. Ex: CamStudio

3) Live demo in the class + presentation.
   • Possible problems:
     – No signal inside the class
Demo

• Sample video
Grading

• A base credit (60%) will be given if basic features of the project is implemented
  – Program (50%)
  – Reports (5%)
  – Demo (5%)
• Credit on GUI/usability design (15%)
• Credit on creativity, new ideas, adding good features (25%)
Tomcat Server

• Using our tomcat server is optional. You can use your own computer as long as you can demo your project.

• Deploy your app: WinSCP demo
Tomcat Server

• Common problems in deploying the apps on tomcat

1) **Java version incompatibility:**
   - Error message: "FAIL - Encountered exception java.lang.UnsupportedClassVersionError: servlet/HelloWorld : Unsupported major.minor version 51.0 (unable to load class servlet.HelloWorld)"
   - Reason: Our server has Java 6 installed. If you compile your code on Java 7 and upload it to the server, it will get an error.
   - Solution: Use java 6 on your local.
2) **Web.xml problems:**

- **Error message:** Fail to restart your application on tomcat manager page.
- **Reason:** Missing servlet in the web.xml

```xml
<servlet-class>FooServlet</servlet-class>
```

- **Path:** /opt/apache-tomcat-7.0.2/webapps/teamxx/WEB-INF/classes/FooServlet.class
- **Solution:** Web.xml and class file should match
Tomcat Server

3) Internal Tomcat problems:
   o Error Message: LifecycleException: An invalid Lifecycle transition was attempted ([before_stop]) for component [StandardEngine[Catalina]. StandardHost=localhost. StandardContext[/team9]] in state [STARTING_PREP]

   o Reason: Internal tomcat error. I am investigating it.

   o Solution: Restarting tomcat.
Meeting with the TA

- Explain your project source code
- Question & Answer
- 30 minutes for each team
- When?
Questions?

Q & A