Requirements and Design Workshops

Fethi Rabhi
Overview

**Same principles for all workshops**
- Independent group work
- Communication-intensive
- Some degrees of freedom

**Different from other courses**
- Apply what you have been taught
- Self-learn based on need
- Proactive instead of reactive
- LIC and mentor are resources
Software engineering workshops

- Capstone nature
  - cut across many techniques
  - Learn application domain
- Outcome driven
  - Stakeholder
  - Product-oriented
  - Business value
- Multi-level collaboration
  - Between students
  - With stakeholder
  - Between teams

Characteristics

- Requirements Analysis
  - Broad goals
  - Features and Stories
- Design
  - Architectural Design
  - Web application
  - Visual User Interfaces
  - Multimedia data design
- Implementation
  - Prototyping
  - Testing the design
  - Testing Web technologies

This workshop
Course schedule

Phase 1:
- Lectures

Phase 2:
- Mentoring

Phase 3:
- Mentoring, presentations and demos

See outline on course site
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Description</th>
<th>Action</th>
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<tbody>
<tr>
<td>1</td>
<td></td>
<td>Lectures: Introduction to the Course, Guest Lectures</td>
<td>Specs available, Form groups</td>
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<td>2</td>
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<td>Extra Lectures</td>
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<td>Mentoring Meeting (project ideas)</td>
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<td>Mentoring Meeting</td>
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<td>4</td>
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<td>Problem Statement/Features/Stories Del 1 Due</td>
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<td>7</td>
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<td>Design Report Del 2 Due</td>
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<td><strong>Pitching Presentations (Del 3)</strong></td>
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<td>Final Demonstrations (Del 4)</td>
<td>Final Report Del 5 Due</td>
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<td>Macquarie Second Year Software Engineering Prize</td>
<td>TBC</td>
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Assessment

Deliverable 1: Problem Statement/Features/Stories/Mockups (15%)

Deliverable 2: Design Report (20%)

Deliverable 3: Pitching (e.g., their Mockups)(15%)

Deliverable 4: Final Report (20%)

Deliverable 5: Final Demonstrations (30%) - Includes an inspection of each group’s repository.
Use GitHub to manage your project, documentation and submission

- All teams should use Git to manage their project code base and deliverables (Github or other).
- Make sure your GitHub repo is shared with your mentor and course admin (Git id: chitizadeharmin)
- Other types of repositories can be used in agreement with your mentor.
- If needed, read introduction to GitHub: (see WebCMS material, Lecture 1)
Each Teams should maintain their Github repository in following structure:

- SENG2011_<TeamName>
  - README.md
  - SourceCode_and_Documentation
    - Deliverables
      - Deliverable-1 report
      - Deliverable-2 report
      - Deliverable-3 Slides
      - Final Report
Initial spec:

- Creating User Experiences using Web APIs and Information Archives
- Available via course website
Teamwork

Why teamwork?
- Essential for SE professional
- Bring the best in everyone
- Project management experience

Mentoring sessions
- Compulsory attendance
- Participation mark

Deliverables
- Equal contribution expected
- Peer assessment at the end