Proposal Assignment
Due Sun midnight

COM S 309

Goal

- You are to meet as a team and discuss project ideas.

- Most of the issues in Software Engineering manifest themselves only on larger/complex projects. That is the reason why we require the projects be somewhat large/complex (for example, by introducing client/server, multi-threading etc). Otherwise, the design and development work can become very trivial for a 4-person team. Web and mobile projects are encouraged. Use of Object oriented languages are encouraged.

PROJECT PROPOSAL

STEPS

- You are to meet as a team and discuss project ideas.

- After your team comes to a consensus, create a page on your group's wiki using the GIVEN FORMAT (see slide no 5).

- If you want, you can submit **more than one proposal** (give in preference order i.e. first preference should be given first etc).

Proposal Format

a page on your group's area on Canvas.

1. **Team Picture (picture of team members) -- attach**

2. **Project Name**:   - for example CYSCHED

3. **Team competency**: for each team member list what is prior programming knowledge/experience (i.e. courses/languages/internships/etc) (and # semester in college). Any newbies?

4. **Description of project:**
   1. First, write one short para to describe what your project will do.
   2. Next, write another para on how your project will work (what pieces make up your project). This is known as concept of operations.

5. **Language/Platform/libraries (list these as best as you can) example: javascript, servlets, MySQL, android, java**

6. **Large/Complex :**
   - make a list briefly describing what makes this project large/complex (there has to be enough work for 4 persons for an entire semester). This will include things that are new to your team members (for example, you may never have worked on mobile development). (Follow guideline on page #6).

Complexity

- Client side
  - Screens # and complexity
  - Local processing
  - Networking with server
  - Connecting to apis
  - Local database use
  - Local devices use

- Use of new languages
- Use of new frameworks

- Turn-based, realtime, two-way, peer-peer?

- Server side
  - Routing
  - Server side Processing
  - Database access

- Database
  - Tables # and relationships

- Web/Mobile/Desktop

Proposal approval Process

1. When your proposal is complete, submit empty file on Canvas assignment.

2. We will look at submitted assignments, go to the group page and get back to you on our thoughts about your proposed project(s) as COMMENTS.

3. Revise repeatedly until…

4. You get a comment saying "APPROVED" from ME. We