



Forming a Project Vision

INFOST 490

FALL 2016

The Objective

- ▶ Demonstrate skills acquired during the BIST program in systems analysis, programming, database development, Web design, and Web development as part of a small project team that creates a computer application for a real world client.

Similar to Previous Assignments

- ▶ Use skills learned in BIST program.
- ▶ Can use SOIS LAMP toolset.
- ▶ Expected to use best practices.

Different From Previous Assignments

- ▶ The project must be conducted by a team.
- ▶ The project delivers a real system for a real client.
- ▶ The project must use practices typically expected in the workplace:
 - ▶ Agile project management
 - ▶ Version control (like Git)
 - ▶ Collaboration tools (like JIRA Agile)
 - ▶ Formal test planning and execution
 - ▶ Documentation and training
- ▶ You may use toolsets other than LAMP.

Finding a Client

- ▶ It must be a real client. You cannot just create something for yourself or for your friends. Real clients have real requirements. That is the experience that we seek.
- ▶ Candidate organizations:
 - ▶ An organization for which a student works or worked
 - ▶ A business owned by a student or one of their relatives
 - ▶ A club or other organization of which a student or one of their relatives is a member
 - ▶ Any business that wants our help.
 - ▶ Any not-for-profit that wants our help.
 - ▶ Any university department that wants our help.

Choosing an Application

- ▶ It must be an application that the client intends to use.
- ▶ It should be an application that gives the team a chance to demonstrate all of the skills that they learned in the BIST program.
 - ▶ A static Web site is not enough on its own.
 - ▶ The application should include the management of business records using a full-function database application (C-R-U-D).
 - ▶ Expectations will be higher for teams that build on some kind of Web platform (WordPress, etc.) than for teams that build their solution from scratch.

Recruiting a Team

- ▶ Students are expected to form their own teams during the first third of the course.
- ▶ Students should join teams that have an interesting project.
- ▶ Students should join teams in which their skills are needed and in which they seem to have a good interpersonal fit.
- ▶ Much of our class interaction in the first part of the course will be geared toward team formation.

Teams Must Meet Expectations

- ▶ Choose appropriate project.
- ▶ Recruit appropriate team members.
- ▶ Learn about and practice Agile project management.
- ▶ Learn about and use version control.
- ▶ Projects should include a formal test plan and its execution.
- ▶ Projects should include appropriate documentation and training.

Forming the Project Vision

- ▶ Talk to potential clients.
- ▶ Get to know your classmates.
- ▶ Brainstorm.
- ▶ Express your vision in terms of:
 - ▶ Client
 - ▶ Application
 - ▶ Team
 - ▶ Methods and tools
 - ▶ Other ideas that make your approach special