

ProjectWizard

Final project for Software Design class

By: Team ProjectWizard

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Aim: Aid project-oriented teams in consolidating their work, organization, and thoughts.

Solution: ProjectWizard makes a **virtual workspace for every team with a collaborative text editor and a Gantt chart creator**. The ProjectWizard requires the team to supply a project name and accordingly gives them a text editor to generate ideas and a Gantt chart wizard to create their project schedule. A picture of the Class and Object diagrams of the system are shown to the right.

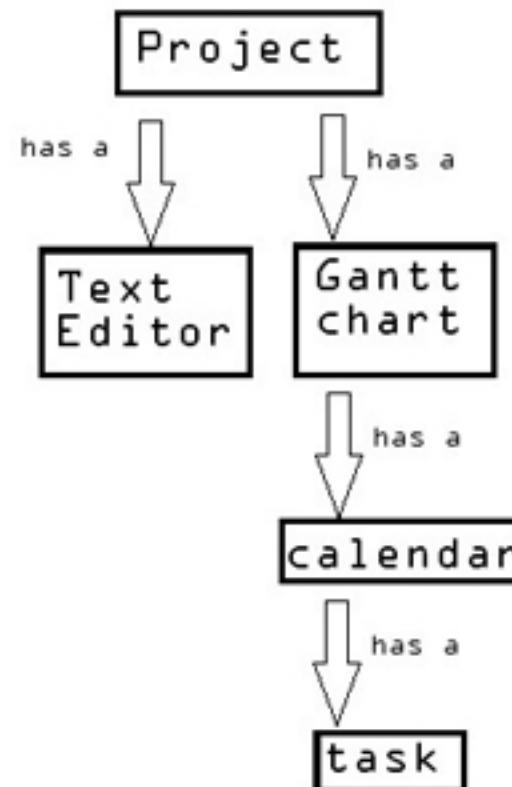
Design: ProjectWizard is hosted on a central server that merges the changes made by every project user.

To make changes, each user has a Python GUI that they use on their local machine to update the Project on the server. The Project and the individual client applications for each team member are linked together by a Python networking tool called **Pyro**. With Pyro, the team members can open their Project from any computer running ProjectWizard, and changes made to the Project get sent to the server.

The **local client application and the remote server application communicate back and forth** to edit or view the objects living on the server as requested by the user.

My contribution: I worked on the **back-end and some of the front-end of the Gantt Chart creator**. The user is allowed to schedule tasks in a timeline, and these are graphically displayed on a GUI.

Class Diagram



Object Diagram

