

ProjectWizard

Final project for Software Design class

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Aim: Aid project-oriented teams in consolidating their work, organization, and thoughts; to be tested via Olin students in project teams.

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.

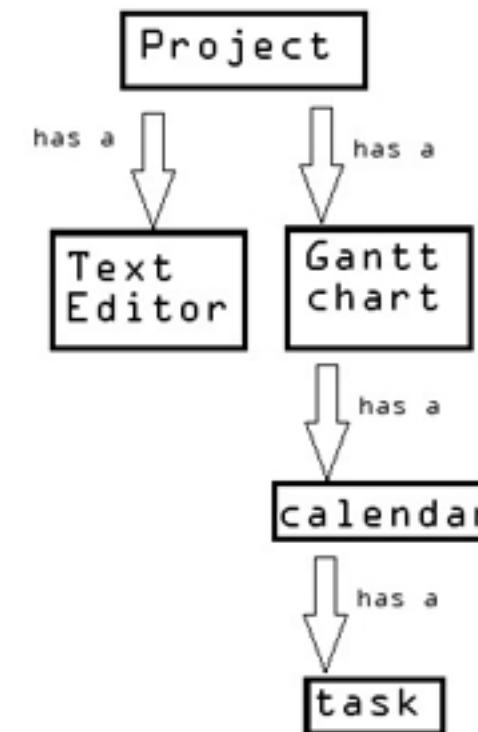
Design: *ProjectWizard* is hosted on a central server that merges the changes made by every project user.

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

