LEAD Project Proposal

**LEAD** stands for **L**earn and **E**xplore via **A**pplication **D**evelopment

Focus points for the proposal:

1. Names and student id of the team members (3-4). Submit one file per group.
2. Define your project programming paradigms: Choose amongst Python, C++, SQL, MySQL, PHP, XML, or Java. Anything other than specified requires a discussion after class or over email.
3. Choose your favorite Project theme to implement (refer to the list given in the course outline/syllabus).
4. Provide the following:
   1. Project Title
   2. Introduction (problem description and scope)
   3. Resources Needed for Carrying out the Project: Hardware and Software
   4. Literature sources
   5. Risks involved
5. Define your data and provide the data source. Define the data model to be used.
6. Purpose of the Project and Project outcome
7. Clearly specify your plans to implement the front end and the back end
8. You must provide Project Schedule (Gantt chart or Excel spreadsheet is acceptable). Breakdown your project tasks into separate major milestones, and if applicable, add sublines for subtasks.

**You can get more ideas at (my recommendations):**

Refer Ch 9: Application development for the project ideas described in the course textbook.