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| **ID** | **Task** | **Description** | Deliverables | ResourcesNeeded **(Human/Duration)** | Dependencies and Constraints | Risks |
|  | Create project plan | Create project plan: Prepare plan for Capstone Project. | In the first stage, plan is about all overview of project. Divide project into small stages with corresponding duration.  After unifying all stages of project, creating plan for each stage: scope, resource, schedule, deadline…  **Deadline:** 11st Jan 2013 | All members must discuss about plan, to ensure that each stage fits time, resource of project.  **Duration:** about 1 week. | None | None |
|  | Create Software Requirements Specification | Create Software Requirement Specification (SRS) document | Software Requirement Specification included all Use Cases of Software product. It can be update during project, if necessary.  **Deadline:** 29th Jan 2013 | 5 persons/2 weeks | None | Due to time constrain, the team cannot make a deep research and wide survey to collect information about end-user’s needs. Almost requirements come from team members, conflicts may happen regularly. |
|  | Create Software Design Description | Create Software Design Description: Architecture design, detailed design, diagrams and design specification | **Deadline:** 1st Mar 2013 | 5 persons/2 weeks | Depends on the completion of SRS | Risks may include choosing inappropriate architecture and design patterns, causing the system hard to maintain, or causing high coding efforts. |
|  | Design Database | Create database design (logical and physical) | Logical database design: all tables and their relationship.  Physical database design: database in SQL Server 2008  **Deadline:** 19th Feb, 2013 | 5 persons/2 weeks | Depends on the completion of SRS | SRS may not be detailed enough to capture the business rules, causing the database design to be inappropriate or will be changed much in the future. |
|  | Layout Design | Design GUI for all interfaces of website. | HTML layout and CSS files  Images of all GUI  **Deadline:** 3rd Mar 2013 | 3 persons/1 week | None | None |
|  | Create System Test Cases | Create system test cases following SRS | **Deadline:** 2nd Apr 2013 | 1 person/2 weeks | Finish SRS | Lack test cases |
|  | Coding | Implement the system to reflect the requirements with output is: source code of the project, unit test reports | **Output:** Source code of the project, unit test reports.  Executable programs and source code before 2nd Apr 2013. | 5 persons/5 weeks | Finish of SRS, SDD, and Database design | Lack of Technical knowledge  Lack of experience in project management  Lack of skill to find and fix bug  Unit test may not be performed thoroughly causing spending more efforts in system test phase  May lack of time to implement all the requirements |
| Execute unit testing | Developer execute unit testing, follow System test cases | Deadline: 7th April 2013 | 4 persons | Finish coding process  Finish System Test cases | Lack of test cases  Lack of testing skill |
|  | System Test | Perform system test for the system | **Output:** System test report  Deadline: 14th April 2013 | 5 persons/2 weeks | Finish Coding  Finish System Test cases  Finish Unit testing | Lack of professional testers in team  Developers are also responsible for system testing, which may lead to compromise  Lack of skill on inputting data to test  Lack of skill in using test tool to test performance of website |
|  | Deployment | Deploy the system to the Internet  Output: Running website with domain and hosting | **Output:** Running website with domain and hosting  Before 18th Apr, 2013 | 2 persons/3 days | Coding and system test are finished, initial data is inputted | None |