
Team Information

- 14' Kim Seongmin
- 15' Kim Sebin

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Product Requierments

Name of the product

- Software Development Project Management Tool

Brief description of product.

- Our project management tool has some functions for task scheduling.
 1. Schedule enrollment / configure / deletion
 - User(Team member) can enroll their schedule to calendar. the schedule information will be synchronized to task list. other team member can view the tasks.
 2. Calendar function
 - User can view and enroll their schedule. the information will be also enrolled to task list. calendar will be give user visibility for many tasks.
 3. Notification of daily task to dashboard everyday.
 - we have dashboard to notify "to do", "doing", "done" tasks for everyday for user.
 4. Search
 - One user can search the schedule of other user. so, team members can communicate with shared calendar and tasks list.
 5. User can register milestones to their project.
 - Milestone means sub-project contained to main project. so, they can view their objectives and also team member's objectives. and they can register their schedule to their milestone.
 6. Timeline diagram for sub-projects in main projects.
 - Timeline can provide visibility for topologically sorted tasks for every team member.

Process Description

Tools : Java, JDK, IDE(Eclipse), etc.

Group Dynamics

	Kim Seongmin	Lee Jaehong	Choi Jihyeok	Kim Sebin	Song junho
Developer	○	○	○	○	○
Tester	○			○	○
Designer		○	○		

Schedule/Timeline

Week Contents	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Proposal								Midterm Exam								Final Exam
Requirements																
UML Design (virtual)																
Schedule Management (Add,Config,Del)																
Calendar Function (Add,Config,Del)																
Task list Function (Add,Config,Del)																
Testing (Schedule, Calendar, Task list)																
Synchronization between functions																
Extension to multiple team member																
Timeline Diagram																
Testing (Synchronization, Extension, Time Line)																
Design (Color, Button, etc.)																
Report Documentation																

Risk Summary

● Estimation and Scheduling mistake

The unique nature of individual software projects creates problems for developers and managers in estimating and scheduling development time

● Not planned requirements growth

issues that are not identified earlier can create a last-minute hurdle to meeting deadlines

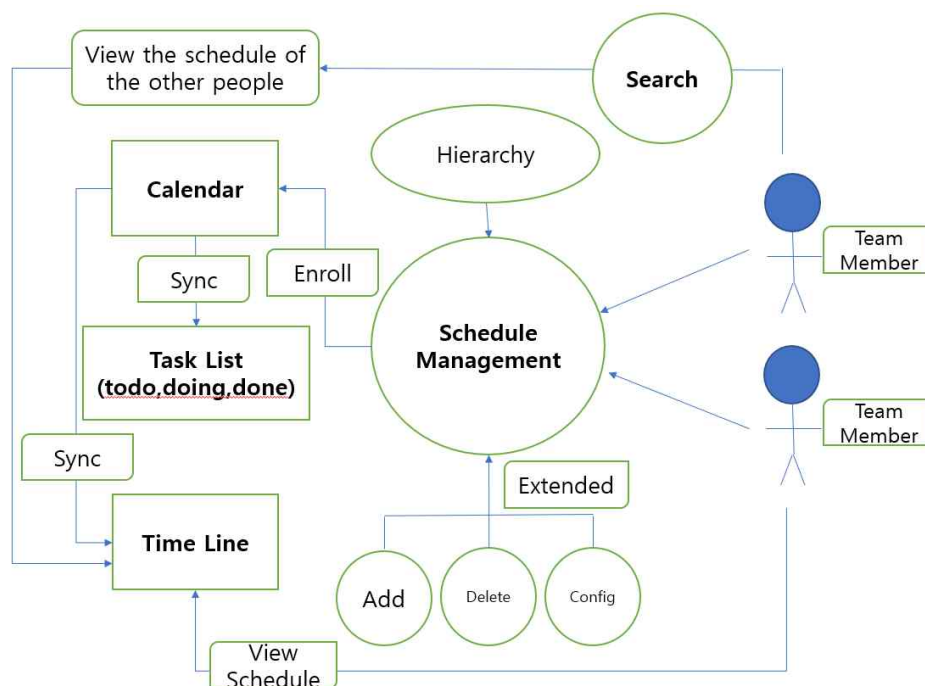
● Breakdown of specification

During the initial phases of integration and coding, requirements might conflict. Also, developers can find that even the specification is unclear or incomplete.

● Technical risks

Software development projects can be reduced the functionality of the software to compensate for overruns pertaining to high budgets and scheduling. There can be conflicts between achieving functionality of the software.

Use Case



This is a use case diagram for our project. our use cases are consisted of 5 cases.

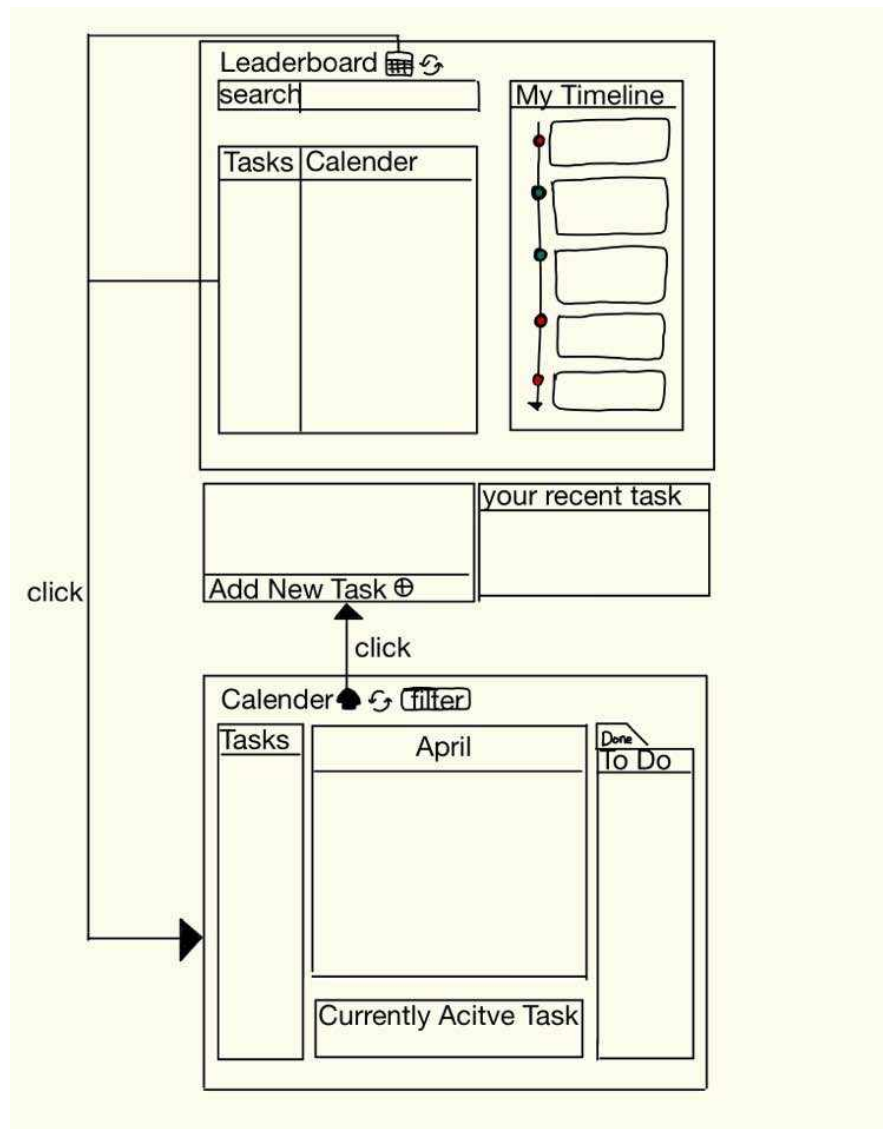
First, Schedule management. Schedule Management is class to contain informations of "Project Schedule" like period, task name, etc. It will be enrolled to Calendar and Task list, Time line from same database.

Second, Calendar is visualization tool for project management.

Third, Task List is topological sorted schedule table. It can contain self schedules.

Fourth, Timeline is graphically visualized schedule management tools. Second, Third, Fourth function's data will be synchronized.

UI Design



A process description

1. Easy to make plan

- Most of software development project has many sub-project needs and has to be managed by project manager. However, no matter how talented project manager is in the team, he/she can't manage their whole team projects efficiently without scheduler or proper management tools. Our project management tool provides you the ability to establish a hierarchy of tasks easily for completion of effective project completion. and it will gives order to tasks which are dependent on each other.

- If this hierarchy is given to your team member, it will be able to make them more concentrative to their work because they don't have to think about order of task to be done by their co-worker.

2. Make easy to communicate between co-workers

- Anyone can easily know that the project can't be completed well without cooperation among coworkers. If communication among co-workers isn't good enough to know the schedule or progress of on going project, the relationship between colleagues will get worse and the project may fail. Therefore, project management is needed to solve this problem.

3. Precise project progress tracking

- Tracking all tasks of one project spends lots of time. It makes you collect data about project team members tasks to know their work progress. With project management software, the team leader can make faster and more precise time and progress estimation. and team leader can assign different type of tasks to proper team members. this can create better performance and faster project completion.

4. Shared links of document and data

- Consider that project management tools are useful as they support storage and organization of a variety of documents. This is extremely important as a majority of projects have many documents. By creating a centralized document sharing plan, every team member can easily, and more quickly, edit and contribute the document or project. This feature is very important in cases where the work is assigned to a person or a team. It is much easier to perform all the necessary tasks without sending thousands of e-mails with attached documents where, sooner or later, things become convoluted.

Team Website

- gitHub Organization
- Website : <https://github.com/pm-tool-se2019>