



Draft List of Requirements for Software Projects (Spring 2008)

Draft List of Requirements for Assets Management And Operational System

The following are the core requirements of Project Assets Management and Operational System. Note an important point that additional features can also be implemented in this project besides these core requirements.

- Provision of making the request for a required item by all employees of the university. For this purpose a request form would be developed having facility to make a request for at least five items.
- Provision for store keeper to add item, block, location (department) in a block, sub location (room no. or any other specific location within a department), item, item category (furniture, electronics etc.) User, manufacturer, item purchased information.
- Provision of seeing/generating reports for accepted and rejected requests (status of a request) on the end of a normal employee.
- Provision of seeing/generating reports for new requests (by all the employees) accepted and rejected requests of himself and his subordinates (status of a request) on the end of a head. The head can accept or reject new requests.
- Provision of seeing/generating reports for new requests (of employees of all the departments) accepted and rejected requests of himself and of employees of all other departments (status of a request) on the end of a store keeper. The store keeper can accept or reject the new requests.
- Provision of generating reports for login history of all the employees on the end of store keeper.
- Provision of searching a specific item on the end of store keeper. The search result will show the quantity name, quantity in stock etc.
- Provision of generating alerts for all the items if they go beyond a predefined threshold.



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Draft List of Requirements for Project Management System

The following are the core requirements of Project Management System. Note an important point that additional features can also be implemented in this project besides these core requirements.

- There should be proper roles in system as Administrator, Chief Project Manager, Project Manager, and Developers etc. Students might include other actors too according to their own brainstorming about system.
- Each user should register first to get access to the system. For this purpose there would be a complete mechanism of Registration of users along with their roles. Only Administrator of the system will have the authority for registration of any user.
- Each user of the system has to login first to access his/her privileged features. Remember that different actors will have different access rights like developer cannot have access to User Registration Page or they cannot view the schedules of other projects carrying out by the organization. Admin of the system or Chief Project Manager will have maximum rights in the system. For this purpose an interface has to be developed in Admin side to assign various roles/actors of the system different rights.
- There should be a proper interface and mechanism for creating various software development projects and then complete work breakdown structure will be prepared in a particular project.
- After creating new projects and work breakdown structure of projects user should be able to allocate various resources and time to all the modules of the system. To fulfill this requirement a separate interface should be provided so that Project Manager or Chief Project Manager can allocate time and human resources on various projects. Remember that project manager can only allocate resources and time to his/her own project while Chief Project Manager can allocate of any project.
- System should have a proper mechanism to assign alerts/reminders for various ongoing projects.
- A proper Gantt chart feature should be available in the system so that Chief Manager or Project Manager can view any time the progress of any project from ongoing projects.
- Any other enhanced features can be implemented in this system.



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Draft List of Requirements for Project Let Us Play Alphabets

The following are the core requirements of Project Let Us Play Alphabets. Note an important point that additional features can also be implemented in this project besides these core requirements.

- There should be proper roles in system user should register first to get access to play the Alphabets game. For this purpose there would be a complete mechanism of Registration of users along with their roles
- User of the system has to login first to access his/her privileged features.
- There should be a proper interface and mechanism to start the game. Let Us Play Alphabets A,B,C.....Z .it is basically a game in which on a roof an alphabets from A to Z drop down on floor but before reaching on floor they are hit by the (keyboard buttons or mouse click event) and on each hit a score is count by the user After it completion iterative process start and gives the choice either player want to start game again or exit the game
- During one complete round up show the result (hit ratio and miss ratio) Game could be control by the key board keys or mouse click event to hit the Alphabets.
- Game should have a proper mechanism to assign alerts/reminders for various ongoing events
- Any other enhanced features can be implemented in this system.



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Draft List of Requirements for Content Management System

The following are the core requirements of Content Management System. Note an important point that additional features can also be implemented in this project besides these core requirements (optional).

- There should be at least two separate interfaces of the web site one for administrator, one for normal user.
- Normal user must be able to add, modify, and delete content according to privileges.
- Normal user must be able to upload document/content to the page, this will make a request to administrator, and after approval from administrator the content will be published at appropriate page of the web site.
- Support for creating and modifying content in a page e.g. Text, Graphics, Menus, and Tables etc.
- A news/announcements section should be provided on the main page, with latest news/announcements on top. This will be handled by administrator through its specific interface.
- Support for web site themes/CSS, so that the users and administrators can change the layout/appearance as per their personalization requirements.
- Rich text editor e.g. 'FCK Editor' or 'Free Text Box' to support editing features just like in MS Office Word
- Dynamic creation of new pages in the web site, documents in the popular formats e.g. MS Office Word, MS Office Excel etc
- Support for adding polls to the web site.
- Support for initiating and discarding content according to specified time period. Support for changing the status of the content as 'Active' or 'In Active'.
- Site wide search capability, separate search facilities for normal user and administrator (based on their particular privileges)
- Recycle bin should be provided to handle deleted content and it will keep this content up till specified time. Administrator should be provided the option to empty the recycle bin at any time.
- Support for discussion boards/forums.

Important Notes:

- **You can develop this Content Management System for any domain. Important is to fulfill all of the above features/requirements.**
- **You must do each and every thing yourself to develop this Content Management System. Use of ready made content management systems and tools is not allowed in this project.**



Draft List of Requirements for Software Projects (Spring 2008)

Draft List of Requirements for P2P File Sharing Application

The following are the core requirements of P2P File Sharing Application. Note an important point that additional features can also be implemented in this project besides these core requirements (optional).

- Support for sharing of files in a network environment (LAN etc) and through internet as well.
- Searching facility should be there for the users, so that users can search files in other computers that are online and are using the same application. This will include the full security module that will enable searching from privileged folders only, so that users can configure the folders for which they will allow/disallow searching.
- A 'Public Folder' should be there so that any user can search these folders throughout the P2P network.
- Allows useful filters over the search criteria e.g. Location, Size, Availability, Mirrors, Users etc
- Downloads should include the facility of resuming.
- New sources of the files should be there, by adding new connections as soon as they are available (other peers gets logged in).
- Should allow pause/continue/stop/remove operations for any file transfer.
- Block/Allow any computer for file transfer
- The application should maintain history of all the activities, e.g. search history, download history etc
- The downloading should be represented through typical percentage/progress bar interface.



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Draft List of Requirements for Internet File Download Manager

The following are the core requirements of Project Internet File Download Manager. Note an important point that additional features can also be implemented in this project besides these core requirements.

- When a user clicks on a download link in a browser, IDM will take over the download and accelerate it. User can right click on a link in Internet Explorer, and select "Download by IDM"
- Support for adding downloads manually using Add Batch URLs button.
- Support for drag and drop links into IDM.
- IDM downloads required files and disconnects when it is done. Internet Download manager will resume incomplete download from the place where it was interrupted.
- Users can change the path to save a file and download the file immediately, or press "download later" button to add the file to main download queue. Support for start the queue manually, or schedule its start with a convenient scheduler.
- Users may choose the order, buttons, and columns to appear on the main IDM window
- Every new download should have following information in IDM:

File name	Size	Required Time length	Date	Speed	Elapsed Time	Need Time	Resumable	URL