

Project Proposal Winter 2024

Project Name: ToDo List App

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Project Description I propose to create a ToDo List App, a dynamic web application that allows users to manage their tasks efficiently. Each user will be part of a specific group and will have designated access rights: either read-only or read-write access to their task lists. Users with read-only access can view tasks, while those with read-write access can add, modify, and delete tasks. This app aims to provide a streamlined platform for individuals and groups to organize their daily activities and tasks, adapting to the needs of different user groups. For example, users can manage their tasks in lists and then be able to share those tasks with other users.

The rise of web applications for task and content management has been significant in recent years. However, many of these applications are either too complex or not tailored to specific needs like task management. This project aims to fill that gap by offering a user-friendly and focused task management tool.

Functionality The functionalities of the ToDo List App will include:

- Secure user authentication for both regular users and administrators.
- Tracking of user login activities, such as log in timestamp.
- Administrative features to:
 - Add, edit, delete, and search for users.
 - Create, modify, and search for different user groups.
 - View user login histories.
- Based on group rights, non-admin users can:
 - Add, remove, or update tasks, and categorize them if they have read-write access.
 - Manage task categories if they have read-write access to this feature.
 - Group tasks into groups of lists.
 - Be able to make multiple lists of tasks.
 - View tasks sorted by categories or date of creation.
 - Sort task by priority, favorites, due dates, and completion
 - Be able to share tasks with other users.

Development Platform The ToDo List App will be developed using PHP and MySQL. This choice is driven by our knowledge and comfort using PHP and MySQL. The initial hosting will be on

cs.neit.edu for development and testing. After the testing phase, the app will be moved to a professional hosting service which has yet to be determined.