

TODO Application

It is a Java Enterprise application. This application helps users to add/update/delete to-do tasks. For using the application user needs to log in first. Right now, two users have been added to DB (test/pass123) and (guest/pass123). But the option of registration is also provided for new users. After successful sign-up user can add a new to-do task by providing information such as title of task, description about it, its completion date, and status (in-progress or complete). Users can update or delete to-do tasks that are already created.

Approach used:

For implementing this application MVC architecture approach is used. It has consisted of three components model, view, and controller. This approach allows the separation of responsibilities. Also, this approach is more scalable, flexible. Which allows adding many functionalities without changing many changes in the older implementation. For the model, the “dao” package is used, which represents the all-database transactions. To view, JSP Pages are used. And for controller java classes extended from HttpServlet is used, that can be found under “controller” package.

Extra functionality:

Due to time limitations, I'm not able to add additional features. But if time permitted below is given a list of a few features that could be added to this application.

1. Another possible field that could be added for to-do tasks will be the severity of the to-do task. Also, further while displaying the list of to-do tasks this field could be displayed as per the severity of the to-do task.
2. Right now, while adding to-do tasks it takes field task completion date. Further, this field could be used to send an email reminder to the user about the task if it is having high severity and it's still in progress 2 or 3 days before the task completion date.
3. Another feature could be added to share already created to-do tasks with another user. So, more than one user can have the same to-do task in their to-do tasks dashboard.

Reference:

<https://www.javaguides.net/2019/10/build-todo-app-using-jsp-servlet-jdbc-and-mysql-part1.html>