

Task Manager Project

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Project Description

Create a task manager application with spring boot and spring Data JPA.

Background

- The application will have UI in JSP.
- At least 4 JSP Pages -> create task, display tasks, delete tasks, and update task.
- Likely additional pages for login / registration, plus welcome page.

Requirements

- Project must be well organized in packages.
- Usage of DAO, DaoIMPL, Service, Entity, and custom exception handling
- All data must persist in the database. (User information should also be stored in database)
- User must be logged in before adding or seeing the tasks. (spring boot security is acceptable but not mandatory.)
- User must get registered, to perform the login.
- User must implement swagger to generate the docs and UI. (use the provided springfox module) Not Required Application RESTful API between UI and business logic is optional but not required. Not Required
- Either monolithic or microservice based architecture is acceptable. Important fields of this application:
 - Task name (text box)
 - Start date (date picker)
 - End date (date picker)
 - Description (text area)
 - Email (text box)
 - Severity (drop down) (High, medium, low)
 - User (tasks should belong to a user)

Technologies Used

- Eclipse/IntelliJ: An IDE to code for the application
- Java: A programming language to develop the prototype
- Git: To connect and push files from the local system to GitHub
- GitHub: To store the application code and track its versions

- Scrum: An efficient agile framework to deliver the product incrementally
- Specification document: Any open-source document or Google Docs

Examples

Login Page

Login:

Please enter your username and password:

[Click here to sign up!](#)

Sign Up Page

Sign Up:

Please enter a username, email and password:

Logout Alert

Success! You have been signed in successfully!

Login:

Please enter your username and password:

[Click here to sign up!](#)

Display Tasks Page

Welcome! Displaying Tasks Below

Sign Out



Task Name	Description	Start Date	End Date	Email	Severity	Owner		
task3	this is the description	Feb 19, 2021	Feb 20, 2021	user@user.com	medium	user		
task2	finish task 2	Feb 19, 2021	Feb 25, 2021	user@user.com	low	user		
my first task	This is my first task	Feb 26, 2021	Feb 28, 2021	new@new.com	medium	newUser		
Study History of Magic	Copy Hermione	Feb 24, 2021	Mar 10, 2021	potter@wizard.com	medium	harry		
Quidditch Practice	Practice quidditch	Feb 24, 2021	Feb 26, 2021	potter@wizard.com	high	harry		
Play chess with ron	Play wizard chess with ron	Feb 22, 2021	Feb 22, 2021	ron@wizard.com	medium	harry		

Create Task Page

Create Task:

Please enter the details of your task:

Task Name:

Start Date:



End Date:



Description:

Email:

Severity:

Update Task Page

Update Task:

Please update the details of your task:

Task Name:

Send Owl

Start Date:

02/26/2021



End Date:

02/27/2021



Description:

Send hedwig to sirius

Email:

sirius@wizard.com

Severity:

High

Submit

Delete Task Alert

Success! Task deleted successfully!

Welcome! Displaying Tasks Below

Sign Out



Task Name	Description	Start Date	End Date	Email	Severity	Owner		
task3	this is the description	Feb 19, 2021	Feb 20, 2021	user@user.com	medium	user		
task2	finish task 2	Feb 19, 2021	Feb 25, 2021	user@user.com	low	user		
my first task	This is my first task	Feb 26, 2021	Feb 28, 2021	new@new.com	medium	newUser		
Study History of Magic	Copy Hermione	Feb 24, 2021	Mar 10, 2021	potter@wizard.com	medium	harry		
Quidditch Practice	Practice quidditch	Feb 24, 2021	Feb 26, 2021	potter@wizard.com	high	harry		
Play chess with ron	Play wizard chess with ron	Feb 22, 2021	Feb 22, 2021	ron@wizard.com	medium	harry		