Project task management

User guide

By

Vilnius, 2020

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Introduction

About

This is a Project Task Management Program where you can add new projects and control them, also you have a list of tasks as you can control them too. This Program similar to Jira. But you can use it as well as a home grocery list for your shopping. This PTMP easy to use. Our project still in the process we are trying our best to improve more functionality and nice-looking design.

Installation

Technologies

- Git 2.25.1.windows.1

Back-end

- Java 1.8

- Spring-boot 2.2.6

- H2-Database 1.4.200

- Maven 4.0.0

- OpenCSV 5.0

- Lombok 1.18.12

UI

- Axios 0.19.2

- Formik 2.1.4

- React 16.13.1

- React-dom 16.13.1

- React-router-dom 5.1.2

Installation instructions

On Windows 10:

Open Git Bash and write the following command

git clone https://github.com/vaskihop/PTMP.git

Back-end

change directory to PTMP/back-end
open Windows PowerShell and write the following commands:
mvn install
mvn spring-boot:run
keep the window open while using this application

UI

change directory to PTMP/front-end
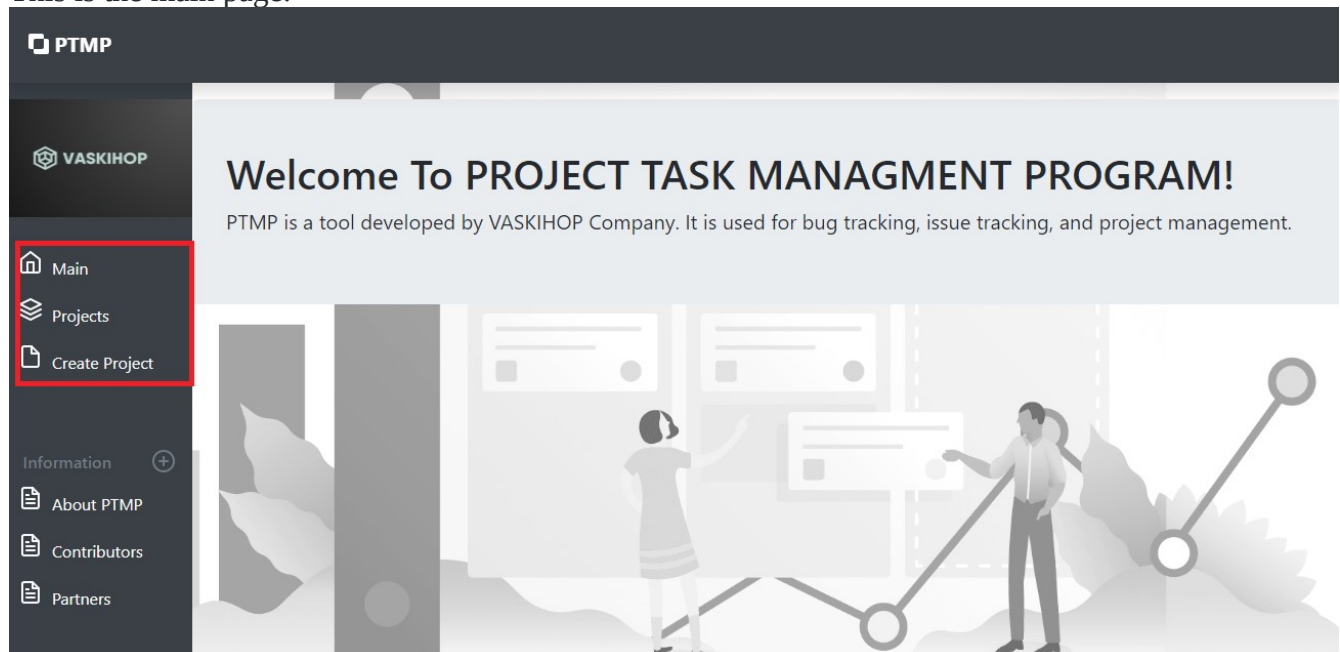open Windows PowerShell and write the following commands:
npm install
npm start
keep the window open while using this application

It will run on http://localhost:3000

User guide

This is the main page.

Img 1. Main page

Navigation bar is on the left side of the page. In the main page there is three options: refreshing of the main page, list of all projects and creation of a new project.

Project management

Create new project

If you want to create new project, press the Create Project link on the menu (*Img 2*). This link will be on the main page menu and project list page menu. This link will open the form (*Img 3*) which requires to fill title and description fields. The error message will remind you to think of name longer than three characters and description longer than five characters. If you want to discard operations press go back button. If you want to save this project, press save button.
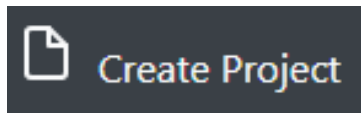
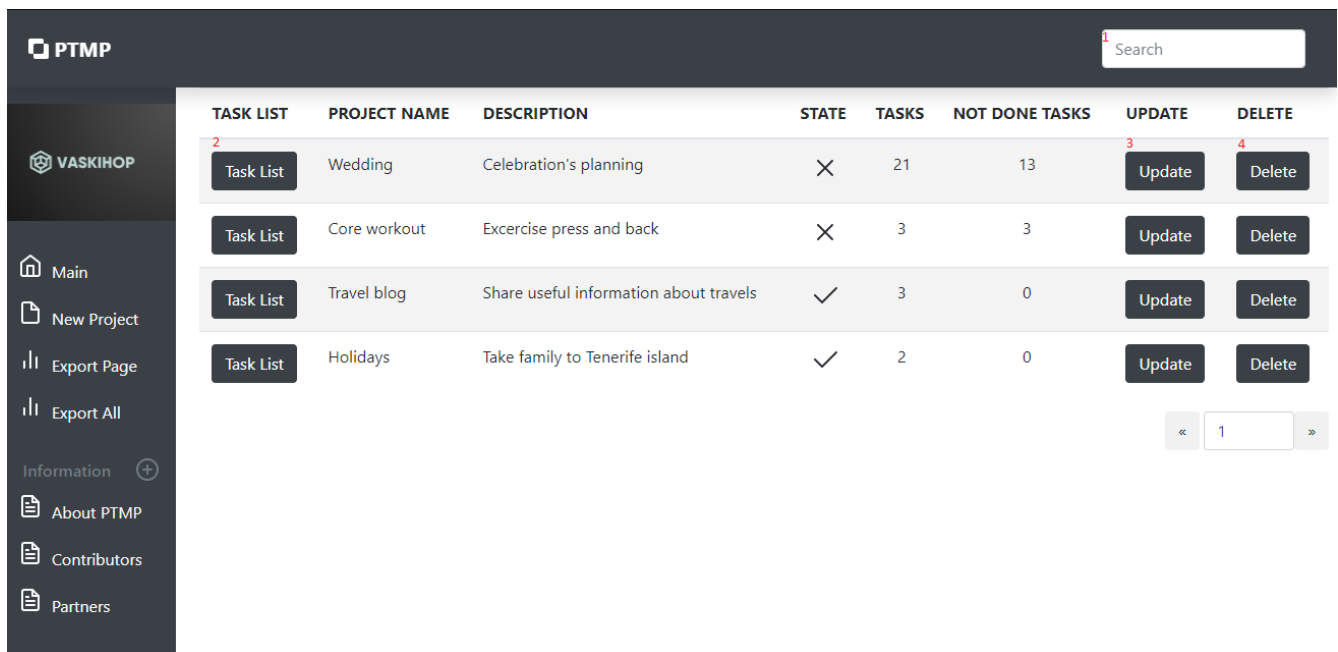*Img 2. Create Project Link*

Img 3. Create Project Form

Project list

To reach project list press on the Projects (*Img 4*) and it will open the window with list of all projects (*Img 5*).
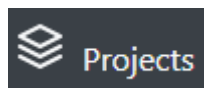
Img4. Project List Link

Img 5. Task List Page

Update project

If there is a need to modify projects name or descriptions there is possibility to do it by pressing on the Update button (*Img 5*). It will open the form (*Img 3*) with filled title and description fields with current data. Updated title must remain longer than three characters and updated description must remain longer than five characters. There is possibility to discard changes by pressing go back button which redirects back to task list page (*Img 5*). To save changes press button save.

Delete project

By pressing delete button the task will be gone for ever (*Img 5*).

Project state marking

Finished project has this mark

Unfinished project has this mark

Project search

Enter a project's title in a field on top on a page (*Img 5*). Pressing enter brings results. Delete letters and press enter to discard search.

Export project list to csv

On project list page (*Img 5*) on menu there is exportation links. There is possibility export current page or all projects to csv format (*Img 6*).
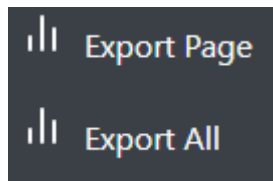
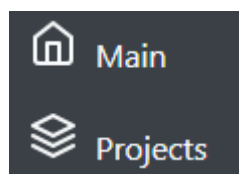*Img 6. Exportation links*

Task management

To reach project's tasks press on task list button (*Img 5*). It opens task list window (*Img 7*).

Img 7. Task list

On the left side menu there are links to get back to main menu and get back to project list (*Img 8*).
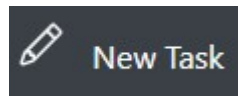

Img 8. Links to navigate back

Create new task

On the left side on the menu there is New Task link (*Img 9*). It opens a window (*Img 10*) which requires to fill in task title, description, priority and state. Priority can be low, medium or high (*Img 11*), state
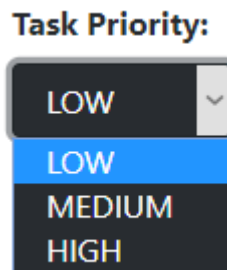
can be to do, in progress or done (*Img 12*). It is possible to discard operation with Go Back button. To save new task, click submit button.
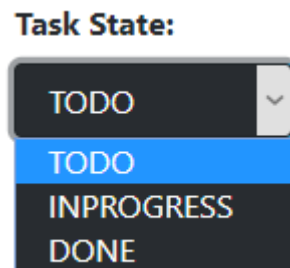

Img 9. New Task Link

Img 10. New Task form

Img 11. Priority selection

Img 12. State selection

Update task

If there is a need to modify task's information it is possible to do by pressing Update task button (*Img 7*). This button will redirect to form with filled current data (*Img 10*). Go Back button discards changes and Submit button saves changes.

Delete task

Button Delete Task (*Img 7*) deletes task.
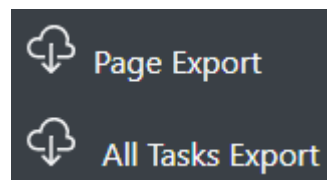
Task priority and state marking

Low priority tasks has this marking	
Medium priority tasks has this marking	
High priority tasks has this marking	
To do state tasks has this marking	
In progress state tasks has this marking	
Done state tasks has this marking	

Task search

Enter a task's id or title in a field on top on a page (*Img 7*). Pressing enter brings results. Delete letters and press enter to discard search.

Export tasks to csv

On project list page (*Img 7*) on menu there is exportation links. There is possibility export current page or all projects to csv format (*Img 13*).

Img 13. Task exportation links