Laravel tasks app design

Module users

Users User

- Name
- Email

Module tasks

Model Task

- Name
- Priority
- Belongsto project nullable
- Created by – belongsto user

Taks index route

Taks controller index

- If query param project is availavle get only tasks from that project
- Else get all tasks
- If quey param order by available order by it other wise order by created at
- Render them in a paginated table with data including all projects
- If query param page_length availavle paginate it to that length other wise paginate to 20

Taks index blade view

- Render tasks in a paginated table
- Two radio buttons order by created at and order by priority
- Fields are name, prioroty , project , action – only delete button
- Page length select box 10 , 20 , 50,100
- Select box above the table showing projects

Table index view js

- On change project_id get current url if project id is in the url replace it with new changed project url and redirect to updated url if not available add it and redirect

- On change order by get current url if order_by availablr in the urp replace it with new changed value and redirect to it if not available add it and redirect
- On cange page length get curremt url if page_length is available in the url replace it with changed value and redirect to updated url if not available add it and redirect
- Use jquery ui sortable to get sorted array and send it to tasks.reorder
- If ajax request got success flasher success sicces message else flasher error error message

Tasks index request

- Project_if nullable exists in projects table
- Order by nullable array in created at or priority
- Page length nullable in array 10, 20, 50, 100
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Tasks create route

Tasks controller create

- Get all projects
- Render create view with projects

Task create view

- Name text input
- Project select box
- Use standard submit method wuth jquery

Tasks storr route

Task controller store

- Use service class store to store

Task stote request

- Name required unique from tasks table name
- Project id nullable exists in projects table
- Prepare for validation merge created_by is auth id

Tasks edit view

Task controller edit

- Get task with route model binding
- Render the edit view
- Gate autgorise edit

Task observer

- Created – uodate priority equals count of tasks created by auth id
- =
- id
- Updating – isdirty priority call reorder from task service
- Task servuce reorder -- get all tasks created by same created at of updated
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Tasks edit view

- Name text inout
- Priority text input
- Project select box
- Submit in usual way

Tasks update route

Task controlle4 update

- Get task with route model binding
- Uodate task
- Gate authorize edit

Update task request

- Name requeired unique in tasks table name ignore this task
- Priority required in numeric
- Project id – nullavle exists in project table id
- Orepare for validation merge created_by auth id

Delete task route

Task controller delete

- Get task with route model binding

- Gate authroize delete
- Delete the task

Reorder tasks route

Task controller reorder

- Update priority using task id and prioroty

Task reorder request

- Order – required array reorderrule

ReorderRule

- Loop through all check id is existing
- Check created by is auth id
- Get all auth id equal to creatrdby tasks
- Check given values are in range with all tasks count
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