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**КУРСОВА РАБОТА**

# “Project management system”

**Курс**: *Fullstack Application Development with Node.js + Express.js + React.js*

**Изготвили**:

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## Функционални и нефункционални изисквания

* 1. Create project - Registered user will be able to create project to which he can add tasks and team members.
  2. Manage project info - Edit project information
  3. Browse project - List own projects and projects in which the user is member
  4. Create task - Create user task with detailed information about the task - time frame, description, task name, checklist, tags etc.
  5. Create subtask - Create subtask to a task
  6. Edit task info - Edit already created task information
  7. Browse tasks for project - See all tasks that are related to project
  8. Browse members for project - View all members of a project.
  9. Add/remove member - Add or remove existing user as a member to the project.
  10. Register - Anonymous User can register in the system by providing a valid e-mail address, first and last name, and choosing password. By default, all new registered users have Regular role.  
      Administrator can register new user by entering User Data and choosing a Role (Regular or Administrator).
  11. Change User Data - Registered User can view and edit their personal User Data.  
      Administrator can view and edit User Data of all Users and assign them Roles: Regular or Administrator.
  12. Manage Users - Administrator can browse users.  
      Administrator can choose a User to manage and can manage the chosen User - edit or delete.  
      Administrator can create a new user.
  13. Create sprint - Groups tasks in sprint
  14. Finish sprint - Complete sprint (The sprint must not have pending tasks. All open tasks will go in the backlog - list of all tasks that doesn’t have sprint)
  15. List all sprints - Show all sprints to the user
  16. Move task to sprint - Move task to sprint, the sprint should be active
  17. View sprint statistic - View details about the sprint - open/closed/opened tasks, time
  18. Estimation from the team
  19. Comments for the estimations

## Описание на използваните технологии

* 1. Front-end
     1. React.js -
  2. Back-end
     1. express v4.16.0,
     2. cookie-parser v1.4.3
     3. http-errors v1.6.2
     4. indicative v5.0.5
     5. jade v1.11.0
     6. morgan v1.9.0
     7. passport v0.4.0
     8. passport-local v1.0.0
     9. passport-session v1.0.2
     10. sqlite3 v4.0.0

## Потребителска документация

## Заключение

## Използвани материали