DOCUMENTATION

Introduction

ProjectX is a web application which support the creation and management of software projects. Many choices and assumptions have been taken to achieve its development and they will be introduced in this document.

First of all it’s assumed that a project is divided in stages, which are macro sub-parts, and stages are divided in tasks: these are the actual activities to be carried out.

The users assume different roles in different projects :

* Project Manager
* Supervisor
* Developer

Every project is assigned to the project manager who created it, every stage is assigned to a supervisor to manage it and every task is assigned to one/more developers to be done.

There are bindings on the possibility of assume a role because it’s assumed that in a software company the employees are classified in three types:

* Project Manager
* Senior
* Junior

This distinction is important at the moment of the assignement of roles in a project since a Project Manager user can only be a Project Manager or a supervisor in a project, while a Senior user can only be a supervisor or a developer and a Junior can only be a developer.

ProjectX offers the possibility to:

* Sign up a user
* Login
* Create a new project
* Assign resources to a project
* Divide the project into stages
* Assign the stage to a supervisor
* Divide the stages into tasks
* Assign developers to tasks
* Manage and modify a project/stage/task
* Manage project delays
* Search for similar project by subject area
* Search for similar client by subject area

Moreover projectX keeps trace of the stages status and sends email to signal their start, finish or eventual delay.

The actual email sending is simulated since it’s not supported by a SMTP server.

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