**Planning**

[1. Context and problematic 2](#_Toc523760227)

[2. Analysis of the existing 2](#_Toc523760228)

[**2.1.** **TRELLO** 2](#_Toc523760229)

[**2.2.** **WRIKE** 3](#_Toc523760230)

[**2.3.** **ASANA** 3](#_Toc523760231)

[3. Project objective 4](#_Toc523760232)

[4. Project scope 4](#_Toc523760233)

[**4.1.** **Gantt diagram** 4](#_Toc523760234)

[5. Functional requirements 5](#_Toc523760235)

[6. Used technologies and framework 6](#_Toc523760236)

[**6.1.** **Angular** 6](#_Toc523760237)

[**6.2.** **Node.js** 6](#_Toc523760238)

[**6.3.** **Magento dB** 6](#_Toc523760239)

[**6.4.** **Azure** 6](#_Toc523760240)

[7. Model 6](#_Toc523760241)

# **Context and problematic**

Managing a project can determine the success of that project. Only 2.5% of the companies successfully complete their projects There are many reasons why projects (both simple and complex) fail; And further. That many of them fail for the same reasons.

* Unrealistic deadlines
* Improper communication
* Geographically dispersed teams
* Lack of control
* Wrong task for the wrong member of the team
* Scope creep
* Wasting time on an already solved issue
* Not using a project management software or tool

Project management isn’t what it seems to be - it’s much more than that. It’s a skill that takes time, patience and perseverance. It requires you to constantly analyze setbacks and failures and implement the lessons learned from them. Which will consume a lot of energy, time and money.

# **Analysis of the existing**

In order to determine the requirements of our project we decided to go through multiple existing software concerning project management. TRELLO, WRIKE and ASANA will be presented briefly in the next section.

## **TRELLO**



Web-based project management and collaboration tool-based Kanban-like lists. TRELLO provide the user with different functions:

* create and manage boards
* divide the tasks between members manually
* divide a task into a checklist
* assign deadline for every task
* provide a task with details such as a file or a link
* get notified regarding any changes in the board or task

## **WRIKE**



WRIKE also a project management solution that enable uses to track projects, monitor, prioritize tasks as well as collaborate with the people in multifunctional teams to get work done. It helps the users to:

* Builds a path
* Set a timeline
* Prioritize and visualize
* Check the outcome
* Analyze results

## **ASANA**



ASANA is an application that helps teams to organize, track and manage their projects.

Key features:

* Update and add tasks
* Communicate with teammates
* Track and organize the work
* Get notification or reminders

# **Project objective**

We aim to create a project management tool that provides our clients with a safe space to communicate, share solved issues and suggest additions to a project. In addition to that. This tool will help the user to divide the tasks on the team members and make it easier to determine the deadlines of every task in the project.

# **Project scope**

## **Gantt diagram**

# **Functional requirements**

* Manage teams
* Create a team
* Modify a team
* Add members
* Remove a member
* Modify the name of the team
* Delete a team
* Manage boards (projects)
* Create a new board: after creating a project with all the members, cards and tasks, the tool can give an approximation of the duration of the project and assign to every member of the team a specific task
* Modify a board
* Rename a board
* Modify the deadline of the project
* Change the team in charge
* Manage cards
* Add a card
* Modify card
* Rename
* Observe or stop observing a card
* Delete card: the card can not be deleted without the permission of the project manager
* Manage tasks
* Add a task to a specific card
* Modify task
* Rename
* Change members
* Change deadline
* Modify description
* Delete task: a task can not be deleted without the permission of the team manager or the members which are responsible for it
* Move a task from a card to another
* Assign a task to one of the team members: this function can either be done manually or automatically
* Find similar tasks in another board: this function is automatically done the moment the task is created
* Manage checklist
* Voting
* Communicate with other clients or team members
* Gantt diagram created automatically
* Notifications send and received

# **Used technologies and framework**

## **Angular**

## **Node.js**

## **Magento dB**

## **Azure**

# **Model**