

A2: Actors and User stories

1. Actors

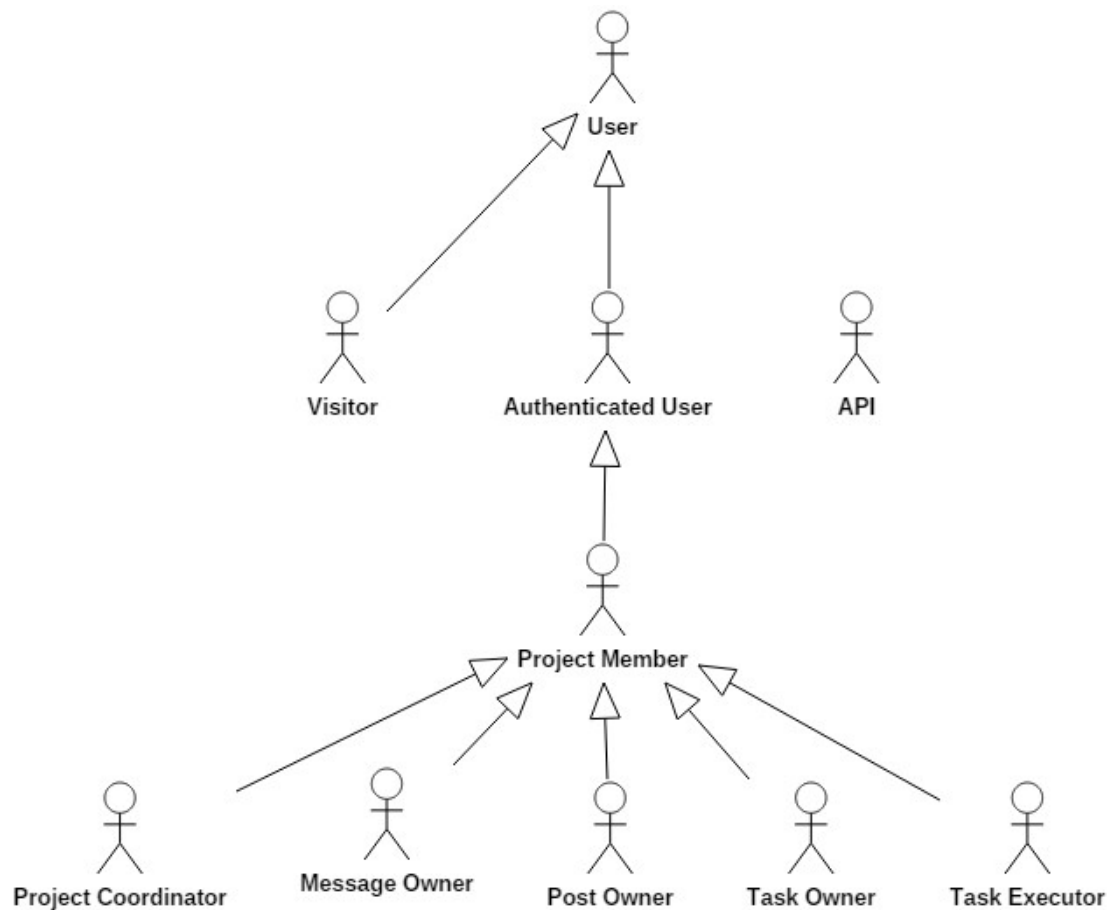


Figure 1: Actors.

Identifier	Description	Examples
User	Generic user that has access to public information such as public project names and descriptions	N/A
Visitor	Unauthenticated user that has access to public information such as public project names and descriptions. Can register itself (sign-up) or sign-in in the system	N/A
Authenticated User	Authenticated user that has access to public projects, can create and ask to join projects	N/A
Project Member	User that joins a project or is invited by the coordinator of said project. Can add tasks, create forum posts and comment on forum posts	Team members

Identifier	Description	Examples
Project Coordinator	User that creates a project. Has the same permissions of Project Member, plus, he can invite, accept join requests and ban users of said project.	Team Leader
Task Owner	User that creates a task in a project. Can edit and delete your task. Also receives notifications if a project member pick, set as done or give up the task	N/A
Task Executor	User that execute a task. Can set the task as done or give up the task	N/A
Message Owner	User that comments in a forum post. Can edit and delete your comment	N/A
Post Owner	User that creates a forum post. Can edit and delete your post. Also can delete others users' comments	N/A
API	External API that can be used to register or authenticate in the system	Facebook

Table 1: Actor's description

2. User Stories

2.1. Visitor

Identifier	Name	Priority	Description
US01	Sign-In	High	As a Visitor, I want to authenticate into the system, so that I can access privileged information
US02	Sign-up	High	As a Visitor, I want to register myself into the system, so that I can authenticate myself into the system
US03	Sign-in using external API	Low	As a Visitor, I want to sign-in through my Facebook account, so that I can authenticate myself into the system
US04	Sign-up using external API	Low	As a Visitor, I want to register a new account linked to my Facebook account, so that I can access privileged information

Table 2: Visitor's user stories

2.2. User

Identifier	Name	Priority	Description
US11	Home page	High	As an User, I want to access home page, so that I can see a brief website's presentation
US12	About page	High	As an User, I want to access the about page, so that I can see a complete website's description
US13	Projects page	High	As an User, I want to access the projects page, so that I can see all public projects
US14	FAQ page	High	As an User, I want to access the FAQ page, so that I can take off my doubts about the system
US15	Contact page	High	As an User, I want to access contact page, so that I can send a message to administrators
US16	Search projects	High	As a user, I want to search a project, so that I can find the specific project
US17	Filter projects	Low	As a user, I want to filter projects by project state, so that I can limit my search

Table 3: User's user stories

2.3. Authenticated User

Identifier	Name	Priority	Description
US21	Sign-Out	High	As an Authenticated User, I want to exit from the system, so that I can end my session
US22	Join a project	High	As an Authenticated User, I want to join a project, so that I can access privileged information
US23	Edit profile	Medium	As an Authenticated User, I want to edit my profile, so that I can keep my profile updated
US24	Respond to project invites	High	As an Authenticated User, I want to accept/refuse invites to join a project

Table 4: Authenticated User's user stories

2.4. Project Member

Identifier	Name	Priority	Description
US31	Member List	High	As a Project Member, I want to access the member list, so that I can see the members on project
US32	Create a Task	High	As a Project Member, I want to create tasks, so that I set goals
US33	Pick a Task	High	As a Project Member, I want to pick a task, so that I can do a job in the project
US34	Create a forum posts	Medium	As a Project Member, I want to create forum posts, so that I start a discussion
US35	Comment on a forum post	Medium	As a Project Member, I want to comment on the forum posts, so that I can tell other users my opinion

Table 5: Project Members's user stories

2.5. Project Coordinator

Identifier	Name	Priority	Description
US41	Invite user	High	As a Project Coordinator, I want to invite users, so that I can include users on the project
US42	Remove user	High	As a Project Coordinator, I want to remove users, so that I can keep only actives users on the project
US43	Accept user	High	As a Project Coordinator, I want to accept users, so that I can include users in the project
US44	Edit project description	Medium	As a Project Coordinator, I want to edit project description, so I can adjust the goals of project
US45	Edit project status	Medium	As a Project Coordinator, I want to choose between the Concluded/In Progress status for the project
US46	Edit project permissions	Medium	As a Project Coordinator, I want to choose between the Public/Private status for the project
US47	Promove as coordinator	Low	As a Project Coordinator, I want to set project members as coordinators, so that I can include others coordinator in the project

Identifier	Name	Priority	Description
US48	Remove Coordinator	Low	As a Project Coordinator, I want to set coordinators as project members, so that I can remove members' privileges

Table 6: Coordinator's user stories

2.6. Message Owner

Identifier	Name	Priority	Description
US51	Edit Message	Low	As a Message Owner, I want to edit my message, so that I can change what I wrote
US52	Delete Message	Low	As a Message Owner, I want to delete my message, so that I can remove a wrong comment

Table 7: Message Owner's user stories

2.7. Post Owner

Identifier	Name	Priority	Description
US61	Edit Post	Low	As a Post Owner, I want to edit the post, so that I can change what I wrote
US62	Delete Post	Low	As a Post Owner, I want to delete my post, so that I can remove a wrong post
US63	Delete Post Messages	Low	As a Post Owner, I want to delete other users' messages, so that I can remove wrong comments

Table 8: Post Owner's user stories

2.8. Task Owner

Identifier	Name	Priority	Description
US71	Edit Task	High	As a Task Owner, I want to edit the task, so that I can set the new goals
US72	Delete Task	High	As a Task Owner, I want to delete my task, so that I can remove a unnecessary task

Identifier	Name	Priority	Description
US73	See Task Notifications	Low	As a Task Owner, I want to see my tasks notifications, so that I can know my tasks status

Table 9: Task Owner's user stories

2.9. Task Executor

Identifier	Name	Priority	Description
US81	Task Completion	High	As a Task Executor, I want to set my task status, so that I can set a task as done
US82	Give up a Task	High	As a Task Executor, I want to give up a task, so that I can release the task

Table 10: Task Executor's user stories

A1. Annex: Supplementary requirements

This annex contains business rules, technical requirements and other non-functional requirements on the project.

A1.1. Business rules

A business rule defines or constrains one aspect of the business, with the intention of asserting business structure or influencing business behaviour.

Identifier	Name	Description
BR01	Max Users	A project can contain a maximum of 100 users
BR02	Join in a project	A user can only ask to join in unfinished public projects
BR03	User birth date	When creating a profile user's can't choose a date of birth more than 100 years ago from current time
BR04	Task duration	When creating a task that task duration can't be more than a year
BR05	Take a task	A user can only take a available task

Identifier	Name	Description
BR06	Edit or delete a task	Only the task owner can edit or delete your task

A1.2. Technical requirements

Technical requirements are concerned with the technical aspects that the system must meet, such as performance-related issues, reliability issues and availability issues.

Identifier	Name	Description
TR01	Availability	The system must be available 99 percent of the time in each 24-hour period
TR02	Accessibility	The system must ensure that everyone can access the pages, regardless of whether they have any handicap or not, or the Web browser they use
TR03	Usability	The system should be simple and easy to use
TR04	Performance	The system should have response times shorter than 2s to ensure the user's attention
TR05	Web application	The system should be implemented as a Web application with dynamic pages (HTML5, JavaScript, CSS3 and PHP)
TR06	Portability	The server-side system should work across multiple platforms (Linux, Mac OS, etc.)
TR07	Database	The PostgreSQL 9.4 database management system must be used
TR08	Security	The system shall protect information from unauthorised access through the use of an authentication and verification system
TR09	Robustness	The system must be prepared to handle and continue operating when runtime errors occur
TR10	Scalability	The system must be prepared to deal with the growth in the number of users and their actions
TR11	Ethics	The system must respect the ethical principles in software development (for example, the password must be stored encrypted to ensure that only the owner knows it)
TR12	Legal requirements	The system must be according the laws

A1.3. Restrictions

A restriction on the design limits the degree of freedom in the search for a solution

Identifier	Name	Description
C01	Deadline	The system should be ready to be used at the end of june 2018

Revision history

Changes made to the first submission:

1. Item 1
2. Item 2

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