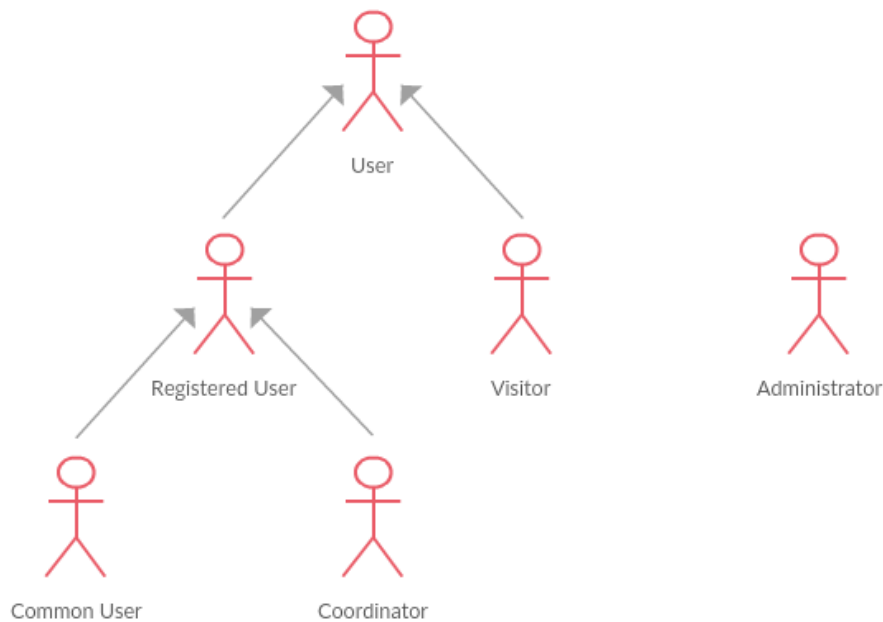


A2: Actors and user stories

Actors



| Identifier | Description |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| User | Generic user that has access to the project list |
| Visitor | Unauthenticated user; can sign up or log in in the system |
| Registered user | Authenticated user; Can see his profile info, list of projects he created or works in; Can search for projects or other users; Can create a project or select na already created from that lists to see details or make modifications. |
| Common user | Authenticated user that is part of the team that works for that specific project; Can propose the creation and closing of tasks as well as update the task's progression as it evolves and add comments to it; Can also upload files and participate in a discussion in the forum. |
| Coordinator | Authenticated user that is the creator of the selected project; Can define the project deadline, Schedule meetings, choose a team of people to work in that project (common users); Can also approve creation and closing of tasks proposed by a common user and delete and archive tasks. |
| Administrator | User that is responsible for user management, system supervisory and maintenance. |

User Stories

User

| Identifier | Name | Priority | Description |
|------------|--------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US01 | Home Page | High | As an <i>User</i> , I want to access the system's home page to be able to see the website's first page, so that i can see what the website allows me to do. |
| US02 | About Page | High | As an <i>User</i> , I want to access the system's about page to be able to see the website's description, including available services, information about the creators, contacts, etc. |
| US03 | Project List | High | As an <i>User</i> , I want to access the project list, so that I can see all public projects on the system (projects set to private can't be seen here). |

Visitor

| Identifier | Name | Priority | Description |
|------------|---------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US11 | Sign-up | High | As a <i>Visitor</i> , I want to register myself into the system by creating an account that will allow me to authenticate in the system. If my username/e-mail has a specific domain, I can have access to a company's private platform. |
| US12 | Log-in | High | As a <i>Visitor</i> , I want to log in into the system so that, when authenticated, I can access other functionalities of the system. |

Registered User

| Identifier | Name | Priority | Description |
|------------|------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| US21 | Profile | High | As a <i>Registered User</i> , I want to see my profile info and update it if necessary (picture, username, password, etc). |
| US22 | Created projects | High | As a <i>Registered Uder</i> , I want to access a list of all the projects I created. |
| US23 | Projects working | High | As a <i>Registered Uder</i> , I want to access a list of all the projects I currently work on. |
| US24 | Create project | High | As a <i>Registered User</i> , I want to create a new project. |
| US25 | Select project | High | As a <i>Registered User</i> , I want to select a project (either from the list of projects I created or from the list of projects I worn on). |
| US26 | Search | Medium | As a <i>Registered User</i> , I want to search for other users or projects. |

Common User

| Identifier | Name | Priority | Description |
|------------|--------------|----------|------------------------------------------------------------------------------------------------------------------------------------|
| US31 | Create task | High | As a <i>Common User</i> , I want to create a task (however the task isn't created until the coordinator's approval). |
| US32 | Close task | High | As a <i>Common User</i> , I want to close a task (however the task isn't closed until the coordinator's approval). |
| US33 | Execute task | High | As a <i>Common User</i> , I want to execute the task I created and became responsible for. |
| US34 | Update task | High | As a <i>Common User</i> , I want to update the task's progress. I can also comment it, giving a description of what has been done. |
| US35 | Comment | High | As a <i>Common User</i> , I want to add a comment to a task to give any kind of information to the task's executor. |
| US36 | Upload file | High | As a <i>Common User</i> , I want to upload files (eg: relevant articles I read for research). |
| US37 | Forum | Medium | As a <i>Common User</i> , I want to participate in a discussion in the forum. |

Coordinator

| Identifier | Name | Priority | Description |
|------------|---------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US41 | Deadline | High | As a <i>Coordinator</i> , I want to set the project's deadline. |
| US42 | Budget | Low | As a <i>Coordinator</i> , I want to set the project's budget. |
| US43 | Team | High | As a <i>Coordinator</i> , I want to select a set of common users to work on the project I created. |
| US44 | Meeting | High | As a <i>Coordinator</i> , I want to schedule meetings with the team (that can be seen in the calendar). |
| US45 | Approve | High | As a <i>Coordinator</i> , I want to approve the creation and closing of tasks suggested by a common user that works on the project. |
| US46 | Task deadline | High | As a <i>Coordinator</i> , I want to set the task's deadline. |
| US47 | Delete task | High | As a <i>Coordinator</i> , I want to delete a task. |
| US48 | Archive task | High | As a <i>Coordinator</i> , I want to archive a task. |
| US49 | Assign task | Medium | As a <i>Coordinator</i> , I want to assign a task to a worker (either add him as responsible for the task along with the previous worker or replace them). |

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|------|-------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| US48 | Create department | Medium | As a <i>Coordinator</i> , I want to create departments for my project, where only some members (the ones I add) have access to it. This works as a sub-project, so, tasks and meetings can be created, etc. |
|------|-------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Administrator

| Identifier | Name | Priority | Description |
|------------|-------------|----------|-----------------------------------------------------------------------------------------------------------------------------------|
| US51 | Accept user | High | As an <i>Administrator</i> , I want to accept the registration of a new user. |
| US52 | Ban user | Low | As an <i>Administrator</i> , I want to ban a user (eg: if he has inappropriate behaviour). |
| US53 | Fix bug | High | As an <i>Administrator</i> , I can fix some bugs that the platform may face. |
| US54 | Update | Medium | As an <i>Administrator</i> , I want to update the website by deleting/adding/changing some features. |
| US55 | Customize | Low | As an <i>Administrator</i> of my company's platform, I want to be able to customize the platform according to my company's needs. |

Annex: Supplementary requirements

Business rules

| Identifier | Name | Description |
|------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| BR01 | Platform | Only a user with username/email with a certain domain can access a certain company's platform. |
| BR02 | Meeting's date | The date of each meeting scheduled by the coordinated must be greater than the date of creation of the project and minor than the project's deadline. |
| BR03 | Task's deadline | The deadline of a task must be greater that the date of creation of the task and minor than the project's deadline. |

Technical requirements

| Identifier | Name | Description |
|------------|---------------|-------------------------------------------------------------------|
| TR01 | Availability | The system must be available 99% of the time in each 24h period. |
| TR02 | Accessibility | The system must be accessible to everyone. |
| TR03 | Usability | The system should have an intuitive interface and be easy to use. |
| TR04 | Performance | The system should respond within 2s. |

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|------|-----------------|---------------------------------------------------------------------------------------------------|
| TR05 | Web Application | The system should be implemented as a Web application with dynamic pages. |
| TR06 | Portability | The server-side system should work across multiple platforms. |
| TR07 | Database | PostgreSQL database management system should be used. |
| TR08 | Security | The system should protect information from unauthorised access by using an authentication 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. |

Restrictions

| Identifier | Name | Description |
|------------|----------|----------------------------------------------------------|
| BR01 | Deadline | The system should be ready to be used by the end of May. |

GROUP1734, 18/02/2018

- Ilona Generalova, up201400035@fe.up.pt
- Maria Inês Gonçalves, up201402784@fe.up.pt
- Maria Teresa Valério, up201405655@fe.up.pt
- Sara Gomes, up201405085@fe.up.pt