

## Use Case Descriptions

Use case name:	Login
Description	Logging in to the app
Participating actors	Admin, User
Entry conditions	The actor is at the login page.
Flow of events	<ol style="list-style-type: none"><li>1. Enter valid Username and password</li><li>2. Press the login button.</li></ol>
Alternative flow of events	<ol style="list-style-type: none"><li>1. After step 2, the actor has the option of logging out. Continues from step 1 of Logout.</li></ol>
Exceptional flow of events	<ol style="list-style-type: none"><li>1. If the user enters invalid details in Step 1, actor is prompted to enter valid details.</li></ol>
Relationships	<p>Extended by:</p> <ul style="list-style-type: none"><li>• Logout</li></ul> <p>Extends:</p> <ul style="list-style-type: none"><li>• Logout</li></ul>

Use case name:	Logout
Description	Logging out of the app
Participating actors	Admin, User
Entry conditions	The actor is logged in and now wants to logout.
Flow of events	1. Press the logout button.
Alternative flow of events	1. After step 1, actor has the option to log back in. Continues from step 1 of Login.
Exceptional flow of events	N/A
Relationships	<p>Extended by:</p> <ul style="list-style-type: none"> <li>• Login</li> </ul> <p>Extends:</p> <ul style="list-style-type: none"> <li>• Login</li> </ul>

Use case name:	View Projects
Description	The actor wants to view the projects section.
Participating actors	Admin, User
Entry conditions	The actor needs to be logged in and at the home page.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the projects tab to see current projects.</li> <li>2. Choose CRUD option. See steps 1 of Add Project, Update Project or Delete Project (Admin only).</li> </ol>
Alternative flow of events	<ol style="list-style-type: none"> <li>1. After step 1, actor has the option to view Employees or Tasks in order to see Employees / Tasks assigned to project. Continues from step 1 of Assigned Employees or View Tasks.</li> </ol>
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 2, if actor is not admin, option will fail.</li> </ol>
Relationships	<p>Includes:</p> <ul style="list-style-type: none"> <li>• Add Project</li> <li>• Update Project</li> <li>• Delete Project</li> </ul> <p>Extended by:</p> <ul style="list-style-type: none"> <li>• Assigned Employees</li> <li>• View Tasks</li> </ul>

Use case name:	Add Project
Description	The actor wants to add a project to the projects list.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the projects tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the Add Project button</li> <li>2. Enter valid details.</li> <li>3. Click save</li> </ol>
Alternative flow of events	N/A
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 1, if actor is not admin, error will pop up.</li> <li>2. In step 3, if details entered were not valid, admin is prompted to enter again.</li> </ol>
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Projects</li> </ul>

Use case name:	Update Project
Description	The admin wants to update a current project.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the projects tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the Update Project button</li> <li>2. Change details.</li> <li>3. Click save</li> </ol>
Alternative flow of events	N/A
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 1, if actor is not admin, error will pop up.</li> <li>2. In step 3, if details entered were not valid, admin is prompted to enter again.</li> </ol>
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Projects</li> </ul>

Use case name:	Delete Project
Description	The admin wants to delete a current project.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the projects tab.
Flow of events	1. Click on the Delete Project button
Alternative flow of events	N/A
Exceptional flow of events	1. In step 1, if actor is not admin, error will pop up.
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Projects</li> </ul>

Use case name:	View Tasks
Description	The actor wants to view the tasks assigned to the project.
Participating actors	Admin, User
Entry conditions	The actor needs to be logged in and have selected the projects tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the View tasks button in project tab.</li> <li>2. Choose CRUD option. See steps 1 of Add Task, Update Task or Delete Task (Admin only).</li> </ol>
Alternative flow of events	N/A
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 2, if actor is not admin, option will fail.</li> </ol>
Relationships	<p>Includes:</p> <ul style="list-style-type: none"> <li>• Add Task</li> <li>• Update Task</li> <li>• Delete Task</li> </ul> <p>Extends:</p> <ul style="list-style-type: none"> <li>• View Projects</li> </ul>

Use case name:	Add Task
Description	The admin wants to add a task to the tasks list for a project.
Participating actors	Task
Entry conditions	The admin needs to be logged in and have selected the tasks button in the projects tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the Add Task button</li> <li>2. Enter valid details.</li> <li>3. Click save</li> </ol>
Alternative flow of events	N/A
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 1, if actor is not admin, error will pop up.</li> <li>2. In step 3, if details entered were not valid, admin is prompted to enter again.</li> </ol>
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Tasks</li> </ul>



Use case name:	Update Task
Description	The admin wants to update a current task assigned to a project.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the view tasks button in projects tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the Update Task button</li> <li>2. Change details.</li> <li>3. Click save</li> </ol>
Alternative flow of events	N/A
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 1, if actor is not admin, error will pop up.</li> <li>2. In step 3, if details entered were not valid, admin is prompted to enter again.</li> </ol>
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Tasks</li> </ul>

Use case name:	Delete Task
Description	The admin wants to delete a current task assigned to a project.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the view tasks button in the projects tab.
Flow of events	1. Click on the Delete Task button
Alternative flow of events	N/A
Exceptional flow of events	1. In step 1, if actor is not admin, error will pop up.
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Tasks</li> </ul>

Use case name:	View Employees
Description	The actor wants to view the employees section.
Participating actors	Admin, User
Entry conditions	The actor needs to be logged in and at the home page or the Assigned Employees page.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the employees tab from home or assigned employees to see current employees.</li> <li>2. Choose CRUD option. See steps 1 of Add Employee, Edit Employee or Delete Employee (Admin only).</li> </ol>
Alternative flow of events	<ol style="list-style-type: none"> <li>1. After step 1, actor has the option to view Skills in order to see Skills assigned to employees. Continues from step 1 of View Skills.</li> </ol>
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 2, if actor is not admin, option will fail.</li> </ol>
Relationships	<p>Includes:</p> <ul style="list-style-type: none"> <li>• Add Employee</li> <li>• Edit Employee</li> <li>• Delete Employee</li> </ul> <p>Extended by:</p> <ul style="list-style-type: none"> <li>• View Skills</li> </ul> <p>Extends:</p> <ul style="list-style-type: none"> <li>• Assigned Employees</li> </ul>

Use case name:	Assigned Employees
Description	The actor wants to view employees assigned to project.
Participating actors	Admin, User
Entry conditions	The actor needs to be logged in and have selected the projects tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the view employees button from project tab.</li> <li>2. Choose option.</li> </ol>
Alternative flow of events	<ol style="list-style-type: none"> <li>1. After step 1, actor has the option to view the main Employees tab by clicking All Employees button.</li> </ol>
Exceptional flow of events	N/A
Relationships	<p>Extended by:</p> <ul style="list-style-type: none"> <li>• View Project</li> </ul> <p>Extends:</p> <ul style="list-style-type: none"> <li>• View Employees</li> </ul>

Use case name:	Add Employee
Description	The admin wants to add an employee to the employees list.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the employees tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the Add Employee button</li> <li>2. Enter valid details.</li> <li>3. Add in Project ID and Task ID or leave one or both null.</li> <li>4. Click save</li> </ol>
Alternative flow of events	N/A
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 1, if actor is not admin, error will pop up.</li> <li>2. In step 4, if details entered were not valid, admin is prompted to enter again.</li> </ol>
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Employees</li> </ul>

Use case name:	Edit Employee
Description	The admin wants to update a current employee.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the employees tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the Edit Employee button</li> <li>2. Change details</li> <li>3. Change Project and / or Task id.</li> <li>4. Click save</li> </ol>
Alternative flow of events	N/A
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 1, if actor is not admin, error will pop up.</li> <li>2. In step 4, if details entered were not valid, admin is prompted to enter again.</li> </ol>
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Employees</li> </ul>

Use case name:	Delete Employee
Description	The admin wants to delete a current employee.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the employees tab.
Flow of events	1. Click on the Delete Employee button
Alternative flow of events	N/A
Exceptional flow of events	1. In step 1, if actor is not admin, error will pop up.
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Employees</li> </ul>

Use case name:	View Skills
Description	The actor wants to view the skills assigned to employee.
Participating actors	Admin, User
Entry conditions	The actor needs to be logged in and have selected the employees tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the view skills button in the employees tab.</li> <li>2. Choose CRUD option. See steps 1 of Add Skill, Update Skill or Delete Skill (Admin only).</li> </ol>
Alternative flow of events	N/A
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 2, if actor is not admin, option will fail.</li> </ol>
Relationships	<p>Includes:</p> <ul style="list-style-type: none"> <li>• Add Skill</li> <li>• Update Skill</li> <li>• Delete Skill</li> </ul> <p>Extends:</p> <ul style="list-style-type: none"> <li>• View Employees</li> </ul>



Use case name:	Add Skill
Description	The admin wants to add a skill to the skills list for an employee.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the skills button in the employees tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the Add Skill button</li> <li>2. Enter valid details.</li> <li>3. Click save</li> </ol>
Alternative flow of events	N/A
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 1, if actor is not admin, error will pop up.</li> <li>2. In step 3, if details entered were not valid, admin is prompted to enter again.</li> </ol>
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Skills</li> </ul>

Use case name:	Update Skill
Description	The admin wants to update a current skill assigned to an employee.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the view skills button in the employees tab.
Flow of events	<ol style="list-style-type: none"> <li>1. Click on the Update Skill button</li> <li>2. Change details.</li> <li>3. Click save</li> </ol>
Alternative flow of events	N/A
Exceptional flow of events	<ol style="list-style-type: none"> <li>1. In step 1, if actor is not admin, error will pop up.</li> <li>2. In step 3, if details entered were not valid, admin is prompted to enter again.</li> </ol>
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Skills</li> </ul>

Use case name:	Delete Skill
Description	The admin wants to delete a current skill assigned to an employee.
Participating actors	Admin
Entry conditions	The admin needs to be logged in and have selected the view skills button in the employees tab.
Flow of events	1. Click on the Delete Skill button
Alternative flow of events	N/A
Exceptional flow of events	1. In step 1, if actor is not admin, error will pop up.
Relationships	Extends: <ul style="list-style-type: none"> <li>• View Skills</li> </ul>