## Use Case Header

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| **Use Case Name:** | Create Workspace |

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| **Use Case Name:** | TEEM.UC.003 | **Version No:** | 3.3 |
| **Created by:** | MIHIR | **On (date):** | 23-08-'23 |
| **Last Update by:** | DHRUV | **On (date):** | 02—11-'23 |

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| **Goal:** | Allow a User, acting as a Project Manager, to create a new workspace within the TEEM application. |
| **Description:** | This use case describes how a User who acts as a Project Manager creates a new workspace within the TEEM application. Workspaces are collaborative environments for managing projects, scheduling meetings, and assigning tasks. |
| **Primary Actor:** | User (Project Manager) |
| **Secondary Actor:** | Users (Team members, Clients, Collaborators), Email services and DataBase |
| **Trigger:** | The User selects the "Create Workspace" option within the TEEM application. |
| **Related use case:** | Sign Up |

| Use Case Body | |
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| **Pre-Conditions:** | ● The User is logged into the TEEM application. |
| **Main Flow:** | 1. The User selects the "Create Workspace" option within the TEEM Dashboard.<br><br>2. The TEEM application presents a workspace creation form to the User.<br><br>3. The User fills out the workspace creation form, providing the following information:<br><br>    a. Workspace Name (required)<br><br>    b. Workspace Description<br><br>    c. Workspace Type<br><br>    d. List of Members<br><br>        i.   List of Team Mates (Users involved in the workspace)<br><br>       ii.   List of Clients (External parties interested in the workspace)<br><br>      iii.   List of Collaborators (External parties collaborating on the workspace)<br><br>4. The TEEM application validates the provided information and the format and completeness of the lists of members.<br><br>5. The TEEM application creates a new workspace instance with the provided details if the provided information is valid.<br><br>6. The TEEM application sends a request to the Database to save the newly created workspace, including its details and the list of members. |

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| | 7. The Database stores the workspace information.<br><br>8. The TEEM application displays a success message to the User, confirming that the workspace has been created. |
| **Alternate Flow:** | 4.1. If the provided information is invalid or incomplete, the TEEM application displays an error message and prompts the User to correct the information.<br><br>4.2. The TEEM application checks if any of the listed Team Members, clients, or Collaborators are not registered.<br><br>    4.2.a.   If unregistered members are found, The system asks the email service to send an invitation mail to these members to join TEEM. |
| **Post-Conditions:** | ● A new workspace is created in the TEEM application with the specified details.<br><br>● Those details are stored in the Database.<br><br>● The User, the Project Manager, becomes the workspace administrator and can further manage it by adding checkpoints, assigning tasks, and scheduling meetings. |
| **Assumptions:** | ● The TEEM Application is assumed to have access to a fast and reliable database service.<br><br>● The TEEM application is assumed to have access to a reliable email service for sending notifications to members. |