Application Features

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| TODO:   1. **Error Handling** 2. Method not supported 405 catch all 3. **Support xml** 4. Implement HEAD and OPTION 5. **Implement HATEOAS (hypermedia as the engine of application state)** 6. Implement sorting 7. ~~Implement paging~~ 8. **Implement filtering** 9. **Implement searching** |

# User

1. Types:
   1. Admin
   2. Member
2. User Attribute:
   1. FirstName
   2. LastName
   3. DateOfBirth (o)
   4. Email
   5. UserName
   6. Password
3. Functions:
   1. createUser() – Anonymous
   2. getUser() -- Authenticated
   3. updateUser() - Autheticate
   4. changePassword() – Authenticate
   5. recoverPassword()
   6. login() ---------------- literature gap
   7. logout()--------------- literature gap
   8. deleteUser() – Authenticate

Accounts

|  |  |  |
| --- | --- | --- |
| Method | URL | RPC |
| POST | Api/Accounts/{UserName} | createUser() – partial shared with profile |
| POST | Api/Accounts/Login | Login() |
| POST | (just delete token from client) | Logout() |

Credentials

|  |  |  |
| --- | --- | --- |
| Method | URL | RPC |
| PUT | Api/Accounts/{UserName}/Credentials | changePassword() |

Profile

|  |  |  |
| --- | --- | --- |
| Method | URL | RPC |
| GET | Api/Accounts/{UserName}/Profile | getUser() |
| PUT | Api/Accounts/{UserName}/Profile | createUser() – partial shared with accounts |
| PATCH | Api/Accounts/{UserName}/Profile | updateUser() |
|  |  |  |

User’s Own Groups

|  |  |  |
| --- | --- | --- |
| Method | URL | RPC |
| GET | Api/Groups | getAllUserOwnGroups() |
| GET | Api/Groups/{groupId} | getUserOwnGroupById() |
| POST | Api/ Groups | createUserOwnGroup() |
| PUT | Api /Groups/{groupId} | updteUserOwnGroup() |
| DELETE | Api/Groups/{groupId} | deleteUserOwnGroup() |

Group Membership

|  |  |  |
| --- | --- | --- |
| Method | URL | RPC |
| GET | Api/Groups/{groupId}/memberships | getAllOwnGroupMemberships() |
| GET | Api/Groups/{groupId}/memberships/{membershipId} | getOwnGroupMembership() |
| POST | Api/ Groups/{groupId}/memberships | createOwnGroupMembership() |
| DELETE | Api/Groups/{groupId}/memberships/{membershipId} | deleteOwnGroupMembership() |

User Memberships

|  |  |  |
| --- | --- | --- |
| Method | URL | RPC |
| GET | Api/memberships | getUserGroupMemberships() |

Group Tasks

|  |  |  |
| --- | --- | --- |
| Method | URL | RPC |
| GET | api/groups/{groupId}/tasks | getAllGroupTasks() |
| GET | api/groups/{groupId}/tasks/{taskId} | getGroupTaskById() |
| POST | Api/groups/{groupId}/tasks | createGroupTask() |
| PUT | api/groups/{groupId}/tasks/{taskId} | updateGroupTask() |
| DELETE | api/groups/{groupId}/tasks/{taskId} | deleteGroupTask() |

User’s Tasks

|  |  |  |
| --- | --- | --- |
| Method | URL | RPC |
| GET | api/tasks | getAllUsersTasks() |
| GET | api/tasks/{taskId} | getUsersTaskById() |

User Task Assignemnts

|  |  |  |
| --- | --- | --- |
| Method | URL | RPC |
| GET | api/taskAssignments | getAllUserTaskAssignments() |
| GET | api/ taskAssignments /{taskId} | getUserTaskAssgnment() |
| PUT | api/taskAssignments/{taskId} | createUserTaskAssignment() |
| DELETE | api/taskAssignments/{taskId} | deleteUserTaskAssignment() |

Task Accomplishment

|  |  |  |
| --- | --- | --- |
| Method | URL | RPC |
| GET | api/taskCompletions | getCompltedTasks() |
| GET | api/taskCompletions /{taskId} | getCompletedTask () |
| PUT | api/ taskCompletions/{taskId} | completeTask () |
| DELETE | api/ taskCompletions /{taskId} | deletedCompletion () |