  
  
ST0526 | CONTINUOUS INTEGRATION

AND CONTINUOUS DELIVERY

**CA-1 ENDPOINT DOCUMENTATION**

**Class:** DIT/FT/2A/23

**Team members:**

Ye Yint Aung (p2340656)

Kaung Htet Thu (p2340768)

Kaung Hset Aung (p2340698)

Rubens Ng Swan Yan (p2318046)

Kyaw Pyae Sone Han (p2334273)

Table of content

[Tasks 2](#_Toc461380852)

[Notification 13](#_Toc1250530424)

[Project 15](#_Toc365111453)

[Person 28](#_Toc959457364)

# Tasks

**Endpoint 1:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **POST** | | /tasks | |
|  | Create a new task | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| N.A. |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 201 | Example call: /tasks  Example Value:  {  “name”: “Task 13 for Project I9”,  “priority”: “LOW”,  “projectId”: 9,  “status”: “PENDING”,  “assignedPersonId”: [7], }  Response:  {  "id": 201,  "name": "Design Database Schema",  "priority": "HIGH",  "projectId": 101,  "status": "IN\_PROGRESS",  "assignedPersonId": 1  } | |

**Endpoint 2:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /tasks | |
|  | Return all tasks | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| N.A. |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /tasks  Example Value:  [  {  "id": 201,  "name": "Design Database Schema",  "priority": "HIGH",  "projectId": 101,  "status": "IN\_PROGRESS",  "assignedPersonId": 1  },  {  "id": 202,  "name": "Develop Frontend UI",  "priority": "MEDIUM",  "projectId": 102,  "status": "PENDING",  "assignedPersonId": 2  }  ] | |

**Endpoint 3:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | tasks/status/:statusWord | |
|  | Return tasks of given status | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| statusWord | Path | Status of interest |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /tasks / status / IN\_PROGRESS  Example Value:  [  {  "id": 201,  "name": "Design Database Schema",  "priority": "HIGH",  "projectId": 101,  "status": "IN\_PROGRESS",  "assignedPersonId": 1  }  ] | |

**Endpoint 4:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /tasks/project /:projectId | |
|  | Return tasks from the given projectId | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projectId | path | The id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: tasks/project/101  Example Value:  [  {  "id": 201,  "name": "Design Database Schema",  "priority": "HIGH",  "projectId": 101,  "status": "IN\_PROGRESS",  "assignedPersonId": 1  }  ] | |

**Endpoint 5:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /tasks/member /:memberId | |
|  | Return tasks from the given personId | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| memberId | path | The id of a person |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: tasks/member/1  Example Value:  [  {  "id": 201,  "name": "Design Database Schema",  "priority": "HIGH",  "projectId": 101,  "status": "IN\_PROGRESS",  "assignedPersonId": 1  }  ] | |

**Endpoint 6:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **PUT** | | /tasks/ user/ :userId | |
|  | Retrieve tasks by user ID | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| Id | path | The id of the user |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: tasks/user/1  Example Value:  [  {  "id": 201,  "name": "Design Database Schema",  "priority": "HIGH",  "projectId": 101,  "status": "IN\_PROGRESS",  "assignedPersonId": 1  }  ] | |

**Endpoint 7:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **PUT** | | /tasks/ :id | |
|  | Update a task | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| Id | path | The id of the tasks |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: tasks/201  {  "status": "COMPLETED",  "priority": "LOW"  }  Example Value:  {  "id": 201,  "name": "Design Database Schema",  "priority": "LOW",  "projectId": 101,  "status": "COMPLETED",  "assignedPersonId": 1  } | |

**Endpoint 8:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **PUT** | | /tasks /assignment/:id/transfer/:personId | |
|  | Return tasks from the given projectId | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projectId | path | The id of the project and personId |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: tasks /assignment/201/transfer/2  Example Value:  {  "id": 201,  "name": "Design Database Schema",  "priority": "HIGH",  "projectId": 101,  "status": "IN\_PROGRESS",  "assignedPersonId": 2  } | |

**Endpoint 9:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **DELETE** | | /tasks/:id | |
|  | Delete a task | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projectId | path | The id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: tasks/201  Example Value:  {  "message": "Task deleted successfully.",  "id": 201  } | |

**Endpoint 10:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **POST** | | /tasks/assignMore/:taskId | |
|  | Return tasks from the given projectId | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projectId | path | The id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: tasks/project/2  {  "projectId": 101,  "taskId": 201,  "notiMsg": "You have been assigned to a new task.",  "assignedPersonId": [1, 2]  }  Example Value:  {  "notificationId": 301,  "message": "You have been assigned to a new task.",  "projectId": 101,  "taskId": 201,  "recipients": [1, 2]  } | |

**Endpoint 11:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **DELETE** | | /tasks/ assignment/:id/unassign/:personid | |
|  | Unassign a task | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projectId | path | The id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /assignment/201/unassign/1  Example Value:  {  "id": 201,  "name": "Design Database Schema",  "priority": "HIGH",  "projectId": 101,  "status": "IN\_PROGRESS",  "assignedPersonId": null  } | |

# Notification

**Endpoint 1:**

|  |  |  |
| --- | --- | --- |
| **GET** | /noti/developer | |
|  | Get the notifications of the signed in developer by retrieving the person id from token | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| nil |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /noti/developer  Example response:  [  {  "id": 30,  "isRead": true,  "notification": {  "message": "You have been assigned a new task!",  "projectId": 19,  "taskId": 287,  "createdAt": "2024-12-06T03:46:04.549Z"  }  },  ........  ] | |

**Endpoint 2:**

|  |  |  |
| --- | --- | --- |
| **DPUTELETE** | /noti/isRead/:id | |
|  | Update the isRead status of notification to true | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| id |  | Notification id |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 201 | Example call: await customFetch(`/noti/isRead/${id}`, {// Mark notification as read  method: "PUT",  });  Example response:  Notification marked as read: { id: 7, notificationId: 5, personId: 6, isRead: true } | |

# Project

**Endpoint 1:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /projects | |
|  | Get All Projects | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| N.A. |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 201 | Example call: /projects    Example Value:    Response:  [  {  "id": 1,  "name": "Project A",  "description": "Description of Project A",  "managerId": 101  },  {  "id": 2,  "name": "Project B",  "description": "Description of Project B",  "managerId": 102  }  ] | |

**Endpoint 2:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /projects/newDevelopers/:projId | |
|  | Get New Developers for a Project | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projId | path | Id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/newDevelopers/3    Example Value:  [  {  "id": 201,  "name": "Developer A"  },  {  "id": 202,  "name": "Developer B"  }  ] | |

**Endpoint 3:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /projects/developers | |
|  | Get Developers Not Assigned to Any Project | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| N.A |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/developers    Example Value:  [  {  "id": 201,  "name": "Developer A"  },  {  "id": 202,  "name": "Developer B"  }  ] | |

**Endpoint 4:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /projects/details/:id | |
|  | Get Detailed Information for a Project | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| id | path | The id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/details/1    Example Value:  {  "id": 1,  "name": "Project A",  "description": "Detailed description",  "developers": [  { "id": 201, "name": "Developer A" },  { "id": 202, "name": "Developer B" }  ]  } | |

**Endpoint 5:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /projects/asManager | |
|  | Get Projects Managed by User | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| N.A |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/asManager    Example Value:  [  {  "id": 1,  "name": "Project A",  "description": "Managed by user"  }  ] | |

**Endpoint 6:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /projects/asDeveloper | |
|  | Get Projects Where User is a Developer | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| N.A |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/asDeveloper    Example Value:  [  {  "id": 2,  "name": "Project B",  "description": "User is a developer"  }  ] | |

**Endpoint 7:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /projects/developersInSingleProject/:id | |
|  | Get All Developers in a Project | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| id | path | The id of the Project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/developersInSingleProject/1    Example Value:  [  {  "id": 201,  "name": "Developer A"  },  {  "id": 202,  "name": "Developer B"  }  ] | |

**Endpoint 8:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **POST** | | /projects | |
|  | Create a New Project | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| N.A |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects  {  "projectName": "New Project",  "projectDescription": "Project Description",  "developerIds": [201, 202]  }  Example Value:  {  "id": 3,  "name": "New Project",  "description": "Project Description",  "developers": [  { "id": 201, "name": "Developer A" },  { "id": 202, "name": "Developer B" }  ]  } | |

**Endpoint 9:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **POST** | | /projects/newDevelopers/:projId | |
|  | Add Developers to an Existing Project | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projId | path | The id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/newDevelopers/:2  {  "developerIds": [203, 204]  }  Example Value:  {  "message": "Developers added successfully",  "developers": [  { "id": 203, "name": "Developer C" },  { "id": 204, "name": "Developer D" }  ]  } | |

**Endpoint 10:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **PUT** | | /projects/:id | |
|  | Update a Project | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| id | path | The id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/:id  {  "projectName": "Updated Project Name",  "projectDescription": "Updated Description"  }  Example Value:  {  "id": 1,  "name": "Updated Project Name",  "description": "Updated Description"  } | |

**Endpoint 11:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **PUT** | | /projects/transfer/:projectId | |
|  | Unassign a task | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projectId | path | The id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/transfer/1  {  "transferringId": 201,  "transferredId": 202  }  Example Value:  {  "message": "Developer transferred successfully."  } | |

**Endpoint 12:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **DELETE** | | /projects/:id | |
|  | Unassign a task | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| id | path | The id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/1    Example Value:  {  "message": "Project deleted successfully."  } | |

**Endpoint 13:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **DELETE** | | /projects/remove/:projectId | |
|  | Remove a Person from a Project | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projectId | path | The id of the project |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /projects/1  {  "removedPersonId": 8  }  Example Value:  {  "message": "Developer removed successfully."  } | |

# Person

**Endpoint 1:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /persons | |
|  | Get all person | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| N.A. |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /persons  Response:  [  { id: 1, name: "Alice", email: "[alice@example.com](mailto:alice@example.com)", avatar: null },  { id: 2, name: "Bob", email: "[bob@example.com](mailto:bob@example.com)", avatar: null },  { id: 3, name: "Carol", email: "[carol@example.com](mailto:carol@example.com)", avatar: null },  { id: 4, name: "Dave", email: "[dave@example.com](mailto:dave@example.com)", avatar: null },  { id: 5, name: "Eve", email: "[eve@example.com](mailto:eve@example.com)", avatar: null },  { id: 6, name: "Frank", email: "[frank@example.com](mailto:frank@example.com)", avatar: null },  { id: 7, name: "Grace", email: "[grace@example.com](mailto:grace@example.com)", avatar: null },  { id: 8, name: "Heidi", email: "[heidi@example.com](mailto:heidi@example.com)", avatar: null },  { id: 9, name: "Ivan", email: "[ivan@example.com](mailto:ivan@example.com)", avatar: null },  { id: 10, name: "Judy", email: "[judy@example.com](mailto:judy@example.com)", avatar: null },  ]; | |

**Endpoint 2:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /persons/id | |
|  | Get the logged in user | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| N.A. |  |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /persons    Example Value:  {  “name”: “Task 13 for Project I9”,  “priority”: “LOW”,  “projectId”: 9,  “status”: “PENDING”,  “assignedPersonId”: [7],  }    Response:    {"id":11,"name":"Leo","email":"leo@example.com","avatar":"../images/Avatar19.jpg"} | |

**Endpoint 3:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **PUT** | | /persons/avatar | |
|  | Update logged in user’s avatar | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| avatar | string | The file path for the avatar image |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /persons/ avatar    Example Value:  {  "avatar":"../images/Avatar1.jpg"  }    Response:    {"status":true} | |

**Endpoint 4:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **PUT** | | /persons/updateDetails | |
|  | Update logged in user’s detail | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| updateDetails | object | The file path for the avatar image |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /persons/updateDetails    Example Value:  [{"name":"Leo","email":"leo@example.com](mailto:%7b%22name%22:%22Leo%22,%22email%22:%22leo@example.com)"}    Response:  {"status":true} | |

**Endpoint 4:**

**PUT**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **PUT** | | /persons/updatePassword | |
|  | Update logged in user’s password | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| updateDetails | object | The file path for the avatar image |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /persons/updatePassword    Example Value:  {"password":"1234567"}    Response:  {"status":true} | |

**Endpoint 5:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /persons/:projId | |
|  | Get all persons in project | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projectId | integer |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /persons/:projId    Response:  [  { id: 2, name: "Bob", email: "[bob@example.com](mailto:bob@example.com)", avatar: null },  { id: 1, name: "Alice", email: "[alice@example.com](mailto:alice@example.com)", avatar: null },  { id: 9, name: "Ivan", email: "[ivan@example.com](mailto:ivan@example.com)", avatar: null },  { id: 10, name: "Judy", email: "[judy@example.com](mailto:judy@example.com)", avatar: null },  ]; | |

**Endpoint 6:**

|  |  |  |  |
| --- | --- | --- | --- |
| |  | | --- | | **GET** | | /persons/getDevIdAndManId/:projId/:personId | |
|  | Check whether the person is the project manager or not | |
|  | | |
| **Parameters** | | |
| Name | Type | Description |
| projectId  personId | Integer  integer |  |
|  | | |
| **Responses** | Content Type: application.json | |
| Code | Description | |
| 200 | Example call: /persons/getDevIdAndManId/:projId/:personId    Response:  [{"personId":11,"Project":{"projectManagerId":11}}] | |