

Study Buddy API Specification

This document outlines REST API for viewing assignments, courses, and managing tasks.

Endpoints

GET /users/{id}/assignments?sort=date

Description: Returns a list of all assignments for a user sorted by date.

Success Response

- **Status:** 200 OK

```
[
  { "id": 1, "title": "Milestone 1", "description": "much work",
    "deadline": "2025-05-07" },
  { "id": 2, "title": "Progress Report", "description": "self
    explanatory", "deadline": "2025-05-15" }
]
```

Error Responses

- **Status:** 400 Bad Request

```
{ "error": "Invalid request format." }
```

- **Status:** 404 Not Found

```
{ "error": "Requested resource cannot be found." }
```

- **Status:** 500 Internal Server Error

```
{ "error": "An unexpected error occurred." }
```

GET /course/{id}/assignments?sort=date

Description: Returns a list of assignments for a single course sorted by date.

Success Response

- **Status:** 200 OK

```
[
  { "id": 1, "title": "Milestone 1", "description": "much work",
    "deadline": "2025-05-07" },
  { "id": 4, "title": "Milestone 2", "description": "we'll see how much
work", "deadline": "2025-05-24" }
]
```

Error Responses

- **Status:** 400 Bad Request

```
{ "error": "Invalid request format." }
```

- **Status:** 404 Not Found

```
{ "error": "Requested resource cannot be found." }
```

- **Status:** 500 Internal Server Error

```
{ "error": "An unexpected error occurred." }
```

GET /users/{id}/courses/

Description: Returns a list of courses that a user is enrolled in.

Success Response

- **Status:** 200 OK

```
[
  { "id": 101, "title": "Advanced Web Technologies", "description": "" },
  { "id": 102, "title": "Project Management", "description": "" }
]
```

Error Responses

- **Status:** 400 Bad Request

```
{ "error": "Invalid request format." }
```

- **Status:** 404 Not Found

```
{ "error": "Requested resource cannot be found." }
```

- **Status:** 500 Internal Server Error

```
{ "error": "An unexpected error occurred." }
```

GET /assignments/{id}/tasks/

Description: Returns a list of tasks for a single assignment.

Success Response

- **Status:** 200 OK

```
[  
  { "id": 1, "description": "API Specification", "done": true },  
  { "id": 2, "description": "Database specification", "done": false }  
]
```

Error Responses

- **Status:** 400 Bad Request

```
{ "error": "Invalid request format." }
```

- **Status:** 404 Not Found

```
{ "error": "Requested resource cannot be found." }
```

- **Status:** 500 Internal Server Error

```
{ "error": "An unexpected error occurred." }
```

POST /assignments/{id}/tasks/

Description: Creates a new task for an assignment.

Request Body

```
{  
  "description": "Peer review 1",  
}
```

```
"done": false
}
```

Success Response

- **Status:** 201 Created

```
{
  "id": 3,
  "description": "Peer review 1",
  "done": false
}
```

Error Responses

- **Status:** 400 Bad Request

```
{ "error": "Invalid request format." }
```

- **Status:** 404 Not Found

```
{ "error": "Requested resource cannot be found." }
```

- **Status:** 500 Internal Server Error

```
{ "error": "An unexpected error occurred." }
```

PUT /assignments/{id}/tasks/{id}

Description: Updates the details of an existing task.

Request Body

```
{
  "description": "Draft revision",
  "done": true
}
```

Success Response

- **Status:** 200 OK

```
{
  "id": 3,
  "description": "Draft revision",
  "done": true
}
```

Error Responses

- **Status:** 400 Bad Request

```
{ "error": "Invalid request format." }
```

- **Status:** 404 Not Found

```
{ "error": "Requested resource cannot be found." }
```

- **Status:** 500 Internal Server Error

```
{ "error": "An unexpected error occurred." }
```

DELETE /assignments/{id}/tasks/{id}

Description: Deletes the specified task.

Success Response

- **Status:** 200 OK

```
{
  "message": "Task deleted successfully"
}
```

Error Responses

- **Status:** 400 Bad Request

```
{ "error": "Invalid request data." }
```

- **Status:** 404 Not Found

```
{ "error": "Requested resource cannot be found." }
```

- **Status:** 500 Internal Server Error

```
{ "error": "An unexpected error occurred." }
```