USER ACCOUNT

GET /users/{id}

Description: Fetch account information for the current user.

Responses

- `200 OK`

```
{ "id": 1, "name": "Viktoria", "email": "v@mail.com", "program": "MSE",
"semester": "2", "studentnumber": "123" }
```

- `404 Not Found`

```
{ "error": "User not found." }
```

- `500 Internal Server Error`

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

COURSES

GET /courses

Description: Fetch all courses for the current user.

Responses

- `200 OK`

```
[
  { "id": 1, "title": "Advanced Web Frameworks", "description": ""},
  { "id": 2, "title": "UX Design", "description": "" }
]
```

- `204 No Content`

```
{ "message": "No courses found." }
```

- `500 Internal Server Error`

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

POST /courses

Description: Create a new course.

Request Body

```
{ "title": "New Media Arts", "description": "" }
```

Responses

- `201 Created`

```
{ "id": 3, "title": "New Media Arts", "description": "" }
```

- `400 Bad Request`

```
{ "error": "Course title is required." }
```

- `500 Internal Server Error`

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

PUT /courses/{id}

Description: Update an existing course.

Request Body

```
{ "title": "Updated Title", "description": ""  }
```

Responses

- `200 OK`

```
{ "id": 3, "title": "Updated Title", "description": ""  }
```

- 400 Bad Request

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

- 404 Not Found

```
{ "error": "Course not found." }
```

- 500 Internal Server Error

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

DELETE /courses/{id}

Description: Delete a course and all its related assignments and tasks.

Responses

- 200 OK

```
{ "message": "Course deleted successfully." }
```

- 404 Not Found

```
{ "error": "Course not found." }
```

- 500 Internal Server Error

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

ASSIGNMENTS

GET /assignments?sort=date

Description: Fetch all assignments sorted by date.

Responses

- `200 OK`

```json
[
  { "id": 1, "title": "Final Essay", "description": "Essay on the history
of computing.", "deadline": "2025-10-18" }
]
```

- `400 Bad Request`

```json
{ "error": "Invalid sort parameter." }
```

- `204 No Content`

```json
{ "message": "No assignments found." }
```

- `500 Internal Server Error`

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

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

Description: Fetch all assignments for a specific course.

Responses

- `200 OK`

```json
[
  { "id": 2, "title": "Group Project", "description": "Develop a working
prototype.", "deadline": "2025-10-18" }
]
```

- `204 No Content`

```json
{ "message": "No assignments found." }
```

- `404 Not Found`

```
{ "error": "Course not found." }
```

- `500 Internal Server Error`

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

POST /courses/{id}/assignments

Description: Create an assignment for a course.

Request Body

```
{
  "title": "Research Presentation",
  "description": "Prepare and present your findings.",
  "deadline": "2025-5-5"
}
```

Responses

- `201 Created`

```
{
  "id": 5,
  "title": "Research Presentation",
  "description": "Prepare and present your findings.",
  "deadline": "2025-5-5"
}
```

- `400 Bad Request`

```
{ "error": "Deadline must be in the future." }
```

- `404 Not Found`

```
{ "error": "Course not found." }
```

- `500 Internal Server Error`

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

PUT /assignments/{id}

Description: Update an assignment.

Request Body

```
{
  "title": "Updated Assignment Title",
  "description": "Updated description.",
  "deadline": "2025-5-5"
}
```

Responses

- `200 OK`

```
{
  "id": 5,
  "title": "Updated Assignment Title",
  "description": "Updated description.",
  "deadline": "2025-5-5"
}
```

- `404 Not Found`

```
{ "error": "Assignment not found." }
```

- `500 Internal Server Error`

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

DELETE /assignments/{id}

Description: Delete an assignment.

Responses

- `200 OK`

```
{ "message": "Assignment deleted successfully." }
```

- 404 Not Found

```
{ "error": "Assignment not found." }
```

- 500 Internal Server Error

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

TASKS

GET /assignments/{id}/tasks

Description: Get tasks for a specific assignment.

Responses

- 200 OK

```
[
  { "id": 1, "description": "Draft outline", "done": false },
  { "id": 2, "description": "Write introduction", "done": true }
]
```

- 204 No content

```
{ "message": "Tasks not found." }
```

- 404 Not Found

```
{ "error": "Assignment not found." }
```

- 500 Internal Server Error

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

POST /assignments/{id}/tasks

Description: Add a task to an assignment.

Request Body

```
{
  "description": "Review sources",
  "done": false
}
```

Responses

- `201 Created`

```
{
  "id": 3,
  "description": "Review sources",
  "done": false
}
```

- `404 Not Found`

```
{ "error": "Assignment not found." }
```

- `500 Internal Server Error`

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

PUT /tasks/{id}

Description: Update a task.

Request Body

```
{
  "description": "Re-review sources",
  "done": true
}
```

Responses

- `200 OK`

```
{
  "id": 3,
  "description": "Re-review sources",
  "done": true
}
```

- 404 Not Found

```
{ "error": "Task not found." }
```

- 500 Internal Server Error

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

DELETE /tasks/{id}

Description: Delete a task from an assignment.

Responses

- 200 OK

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

- 404 Not Found

```
{ "error": "Task not found." }
```

- 500 Internal Server Error

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