

```
openapi: 3.0.0
info:
  title: Task Management API
  version: 1.0.0
paths:
  /tasks:
    get:
      summary: List all tasks
      operationId: listTasks
      responses:
        '200':
          description: An array of tasks
          content:
            application/json:
              schema:
                type: array
                items:
                  $ref: '#/components/schemas/Task'
        '404':
          $ref: '#/components/responses/NotFound'
        '500':
          $ref: '#/components/responses/InternalServerError'
    post:
      summary: Create a new task
      operationId: createTask
      requestBody:
        content:
          application/json:
            schema:
              $ref: '#/components/schemas/Task'
      responses:
        '201':
          description: Task created
          content:
            application/json:
              schema:
                $ref: '#/components/schemas/Task'
        '400':
          $ref: '#/components/responses/BadRequest'
        '500':
          $ref: '#/components/responses/InternalServerError'
  /tasks/{id}:
    put:
      summary: Edit a task
```

```
operationId: editTask
parameters:
  - name: id
    in: path
    required: true
    schema:
      type: integer
requestBody:
  content:
    application/json:
      schema:
        $ref: '#/components/schemas/Task'
responses:
  '200':
    description: Task updated
    content:
      application/json:
        schema:
          $ref: '#/components/schemas/Task'
  '400':
    $ref: '#/components/responses/BadRequest'
  '500':
    $ref: '#/components/responses/InternalServerError'
components:
  schemas:
    Task:
      type: object
      properties:
        id:
          type: integer
          readOnly: true
          example: 1
        title:
          type: string
          example: Buy groceries
        description:
          type: string
          example: Buy milk, eggs, and bread
        completed:
          type: boolean
          example: false
      required:
        - title
    Error:
```

```
  type: object
  properties:
    code:
      type: integer
    message:
      type: string
  required:
    - code
    - message
  responses:
    BadRequest:
      description: Bad Request
      content:
        application/json:
          schema:
            $ref: '#/components/schemas/Error'
    NotFound:
      description: Not Found
      content:
        application/json:
          schema:
            $ref: '#/components/schemas/Error'
    InternalServerError:
      description: Internal Server Error
      content:
        application/json:
          schema:
            $ref: '#/components/schemas/Error'
```