# 09a – Documentation Package.json:

```
"swagger-jsdoc": "^6.2.8",

"swagger-ui-express": "^5.0.0",
```

#### Config:

```
import swaggerJSDoc from "swagger-jsdoc";
const swaggerDefinition = {
 openapi: "3.0.0",
 info: {
   title: "Express API for Projects",
    version: "1.0.0",
   description: "This is a REST API application made with Express.",
<del>,</del>},
  servers: [
     url: "http://localhost:4000",
     description: "Development server",
};
const options = {
 swaggerDefinition,
 apis: ["./routes/*.ts", "./apiComponents.ts"],
};
export const swaggerSpec = swaggerJSDoc(options);
```

### apiComponent:

```
1    /**
2     * @openapi
3     * components:
4     * schemas:
5     * Project:
6     * type: object
7     * properties:
8     * id:
9     * type: integer
0     * uuid:
1     * type: string
2     * format: uuid
3     * name:
4     * type: string
5     * description:
6     * type: string
7     * nullable: true
```

#### Serve swagger-ui at api/docs for api documentation

```
import swaggerUi from "swagger-ui-express"; 8.2k (gzipped: 3.3k)
import { swaggerSpec } from "./swaggerConfig";

const app: any = express();

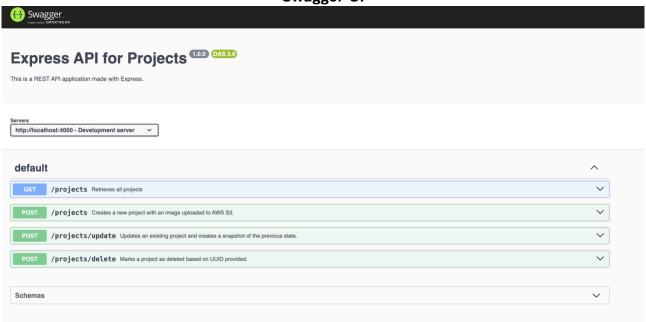
async function startServer() {
   app.use(express.json());

app.use("/api-docs", swaggerUi.serve, swaggerUi.setup(swaggerSpec));
```

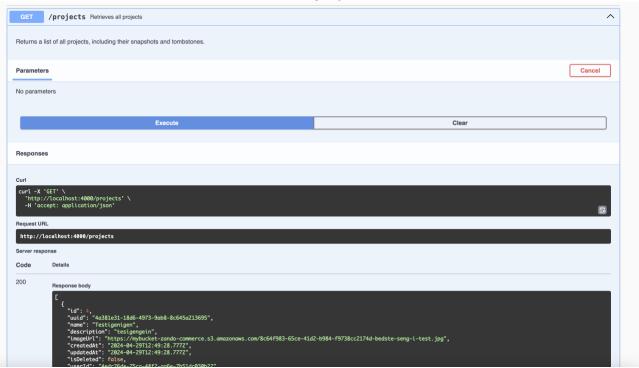
Bruger OpenAPI-jsdoc biblotektet hvilket gør at jeg kombinerer JSdoc-stil kommentar med OpenAPI for at generere API dokumentation.

```
* @openapi
* /projects:
      description: Returns a list of all projects, including their snapshots and tombstones.
            application/json:
                  $ref: '#/components/schemas/Project'
         description: Internal server error
router.get("/projects", async (req: Request, res: Response) => {
   const projects = await prisma.project.findMany({
     include: {
       snapshots: true,
      tombstones: true,
   res.send(projects);
  } catch (error) {
   console.error(error);
   res.status(500).send({ error: "Failed to fetch projects" });
});
```

#### Swagger-UI



# Teste /projects



## Database scema / hænger sammen med apiComponent.

