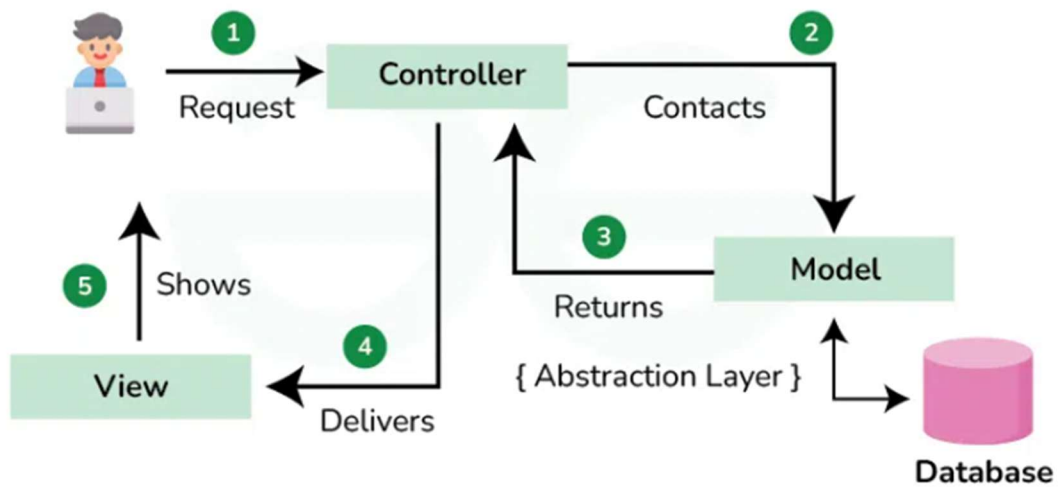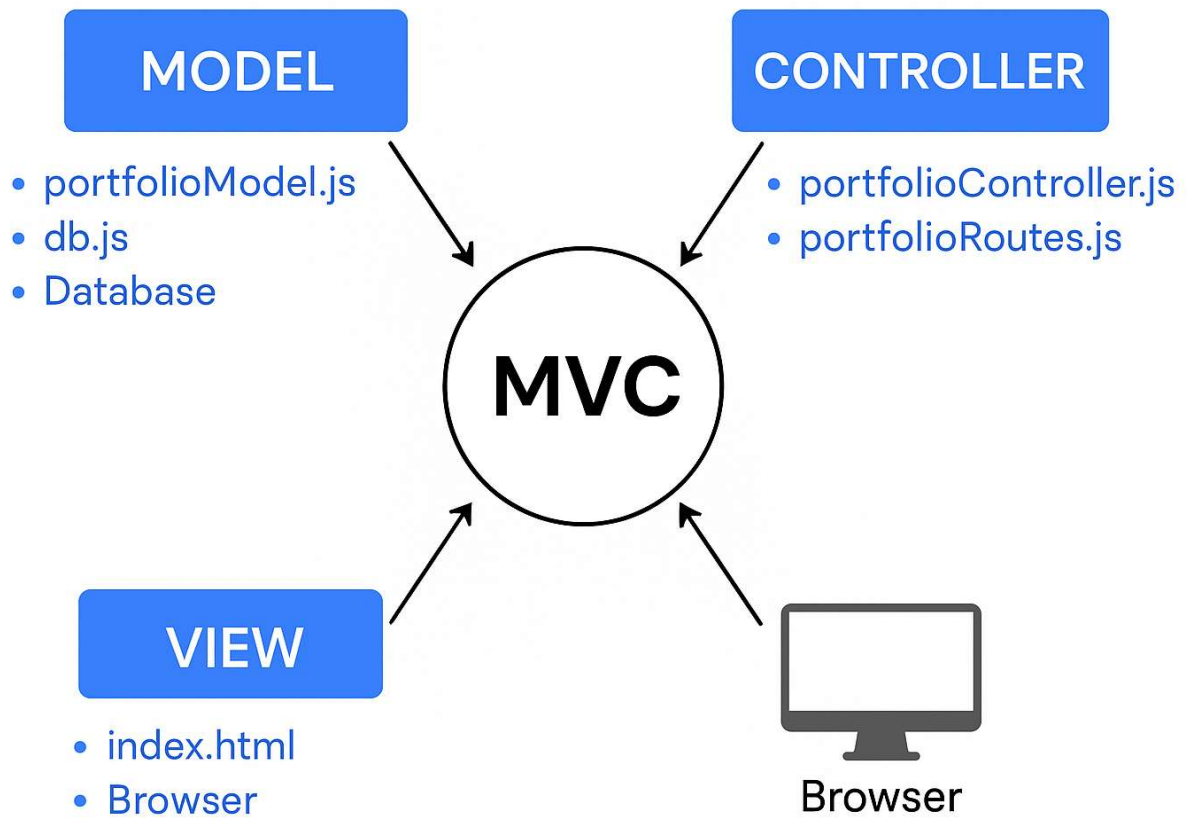# Build Portfolio Manager Using MVC in Node.js

Tech Stack: JavaScript+Node.js + Express + MySQL + HTML/CSS/JS
Architecture: MVC (Model–View–Controller)

Project Folder Structure (MVC Style)

```
portfolio-manager/
├── config/
│   └── db.js                 # 🟦 Database connection setup (Model support)
├── controllers/             # 🟦 Handles logic for requests/responses (Controller)
│   └── portfolioController.js
├── models/                  # 🟦 Handles database queries and schema (Model)
│   └── portfolioModel.js
├── routes/                  # 🟦 Defines URL paths and links them to controllers
│   └── portfolioRoutes.js
├── views/                   # 🟦 Holds frontend files (View layer)
│   └── index.html           # 🟦 Simple HTML frontend (can be replaced with templates)
├── public/                  # 🟦 Static assets like CSS, images, or client-side JS
│   └── css/                 # 🟦 Styling files (used in views)
├── app.js                   # 🟦 Entry point: connects routes, middleware, DB
├── package.json             # 🟦 NPM configuration and dependencies
└── .gitignore               # 🟦 Files/folders Git should ignore (e.g., node_modules)
```

MODEL

- portfolioModel.js
- db.js
- Database

CONTROLLER

- portfolioController.js
- portfolioRoutes.js

MVC

VIEW

- index.html
- Browser

Browser

Controller

1 Request

2 Contacts

3 Returns

Model

{ Abstraction Layer }

4 Delivers

5 Shows

View

Database

MVC Design Pattern