# ExpressJS Exercises: View Engines

## Refactor MemeDB with Templates

Take the MemeDB application from **Introduction to Express** exercise and refactor it to use a view engine of your choice with templates, instead of manually composed HTML.

### Install and Initialize View Engine

Install a View Engine of your choice via NPM (Pug, Handlebars, etc.) and configure Express to use it.

### Create Templates from HTML

Take the provided HTML files and convert them to templates, using the format, supported by the chosen View Engine. Identify the dynamic parts and use appropriate syntax for interpolating and rendering the application context.

### Render Views

Replace manual composing of HTML in handlers with calls to the rendering function of Express. Use appropriate context to interpolate dynamic parts of the page.

## Book Library

### 1.1 Create Express Application

Create an Express application and add all necessary handlers for static files. Install and configure MongoDB, a view engine of your choice and any other middleware that you might need.

### 1.2 Implement Route Handlers

Implement the following routes:

* / – home page (index) with a welcome screen, links to other sections of the site and the count of all books currently stored in the database;
* /viewAll – list of all books in the database, containing all books, sorted by their release year, with links to their details page;
* /addBook – a page containing a form, where users should be able to fill title, URL of an image, year of release and author of a book; the server should save the data via a POST request in the database; if the name or the URL are null or empty, the server should return a friendly error message;
* /books/details/:id – a details page where the book poster and data is shown

### 1.3 Create Templates

Use the provided HTML to create templates with a format that is supported by your view engine. Identify the dynamic parts and use appropriate syntax for interpolating and rendering the application context.

### Render Templates

Implement template interpolation and rendering with the appropriate context in all handlers.