

Film Portal

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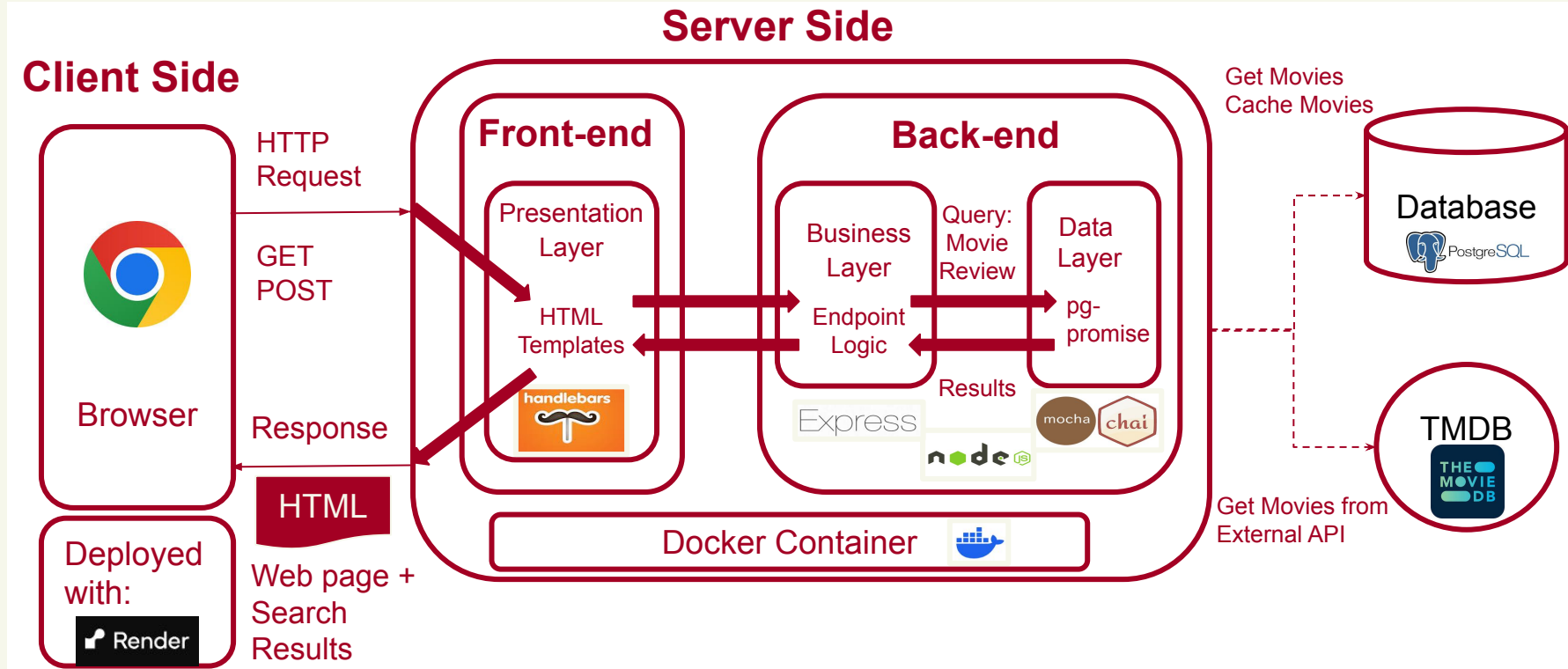
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Overview






Film Portal is an engaging social media style website where you can review movies and read reviews.

- Search for movies on demand
- Create movies and rate them
- Rate reviews themselves







Architecture Diagram



Tools

Tool	Purpose	Rating (Out of 5)	Logo
Github	<ul style="list-style-type: none">- VCS- Project Board- Issue Tracking	5	
Node JS	<ul style="list-style-type: none">- JS Runtime- Package manager	5	
Bootstrap	<ul style="list-style-type: none">- CSS Styling	3	
Handlebars	<ul style="list-style-type: none">- HTML templating- Displaying arrays	4	
Mocha & Chai	<ul style="list-style-type: none">- Testing app logic and database	5	
Express	<ul style="list-style-type: none">- Create endpoints	5	

Tools (Continued)

Tools	Purpose	Rating (Out of 5)	Logo
VSCode (Development)	<ul style="list-style-type: none">- IDE: Syntax Highlighting, Code Completion, and JS LSP	5	
External API: TMDB	<ul style="list-style-type: none">- Supply movies in server database	4	
Docker	<ul style="list-style-type: none">- Container environment- Abstracts OS resources	3	
Render	<ul style="list-style-type: none">- Deployment Service- Manages server database	4	
PostgreSQL (via pg-promise)	<ul style="list-style-type: none">- Stores DB with Movies and Posts	4	
Agile: Epics, User Stories, Points	<ul style="list-style-type: none">- Organize development cycle- Manage major components- Allocate time effectively	4	

Challenges

- Development Cycle
 - Merge conflicts
 - OS differences and resulting synchronization issues
 - Differences in how items in the stack interact
 - Vague Documentation
- Database Issues
 - Retrieval to user
 - Storing photo data
 - Many moving parts in a short project
- HTML
 - Working against Bootstrap
 - Div arrangement

Future Extensions

- **Movie Lists**
 - Public: Best, Popular, Requested
 - Private: Custom lists
 - Create a title and description
 - Share with friends
- **Create Movie Groups**
 - Add Discussion Boards
 - Engage users long-term
- **Incorporate more APIs**
 - Search: Google
 - Social media: Facebook, Instagram, etc.
- **Switch to MongoDB or Cassandra**

Demo