Architecture and Design Document

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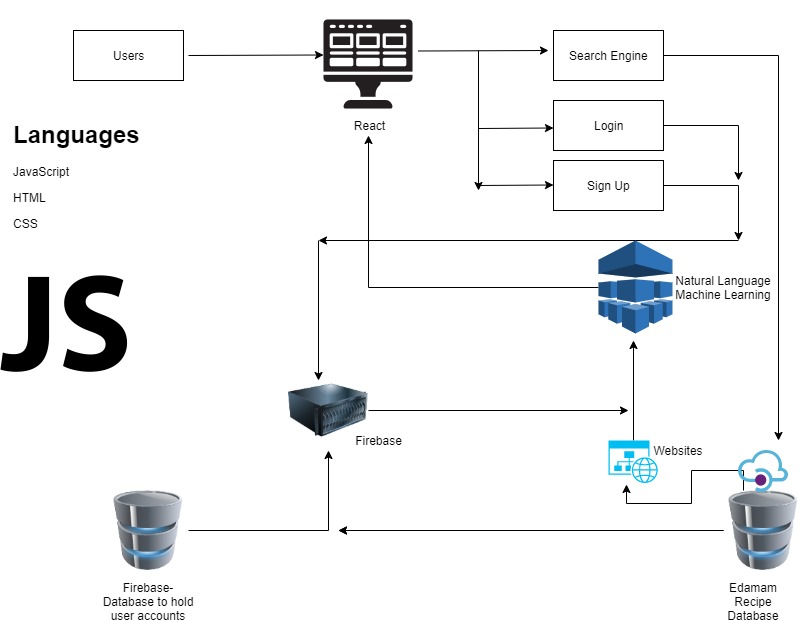
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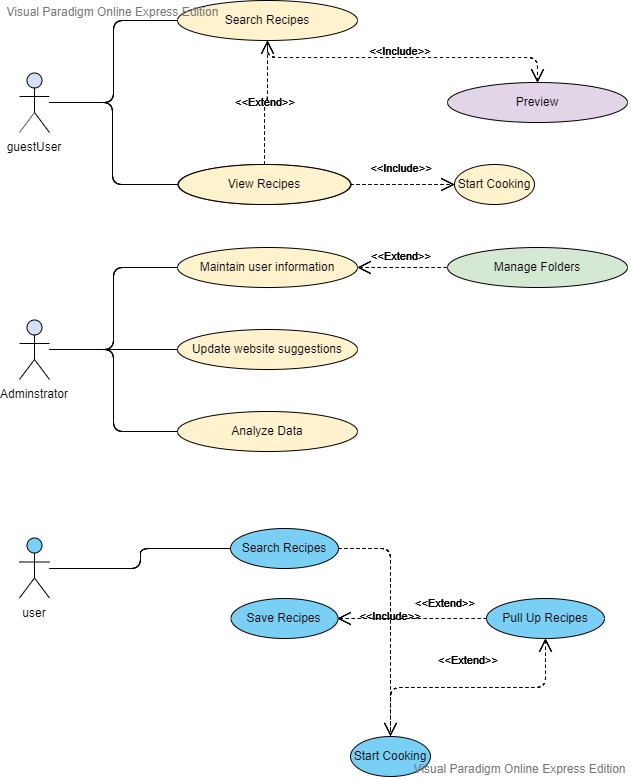
**Diagrams**

**System Diagrams**

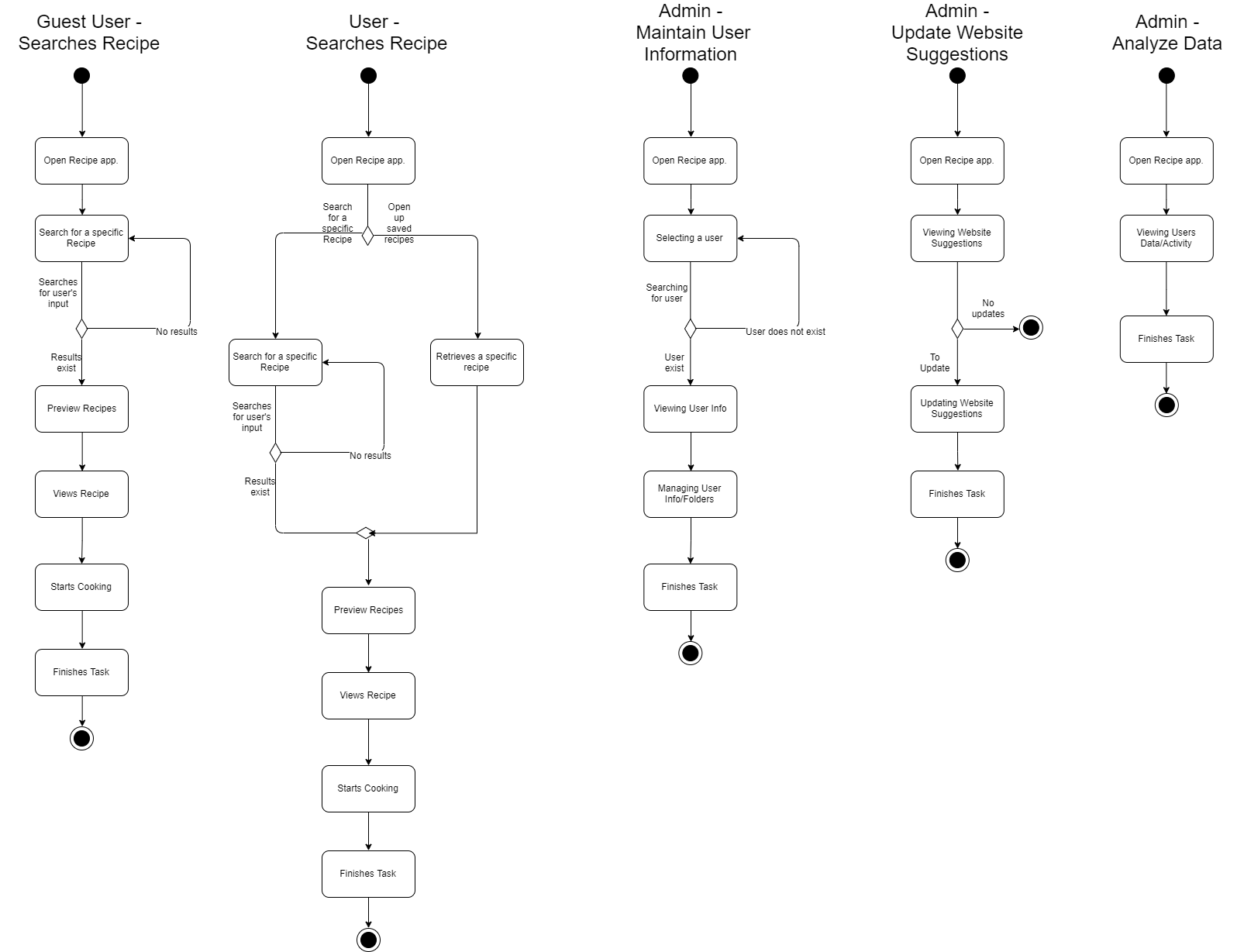
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**Component Diagrams**

**Use Case Diagrams**

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**Activity Diagrams**

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**Sequence Diagrams**

**Class Diagram**

**Entity Relationship Diagram**

**Analysis**

**Trade-Off Analysis**

The Client-Sever Architectural Design was chosen as the architecture for the project. MVVM and MVC were other patterns considered for the project.

**Machine Learning Analysis**