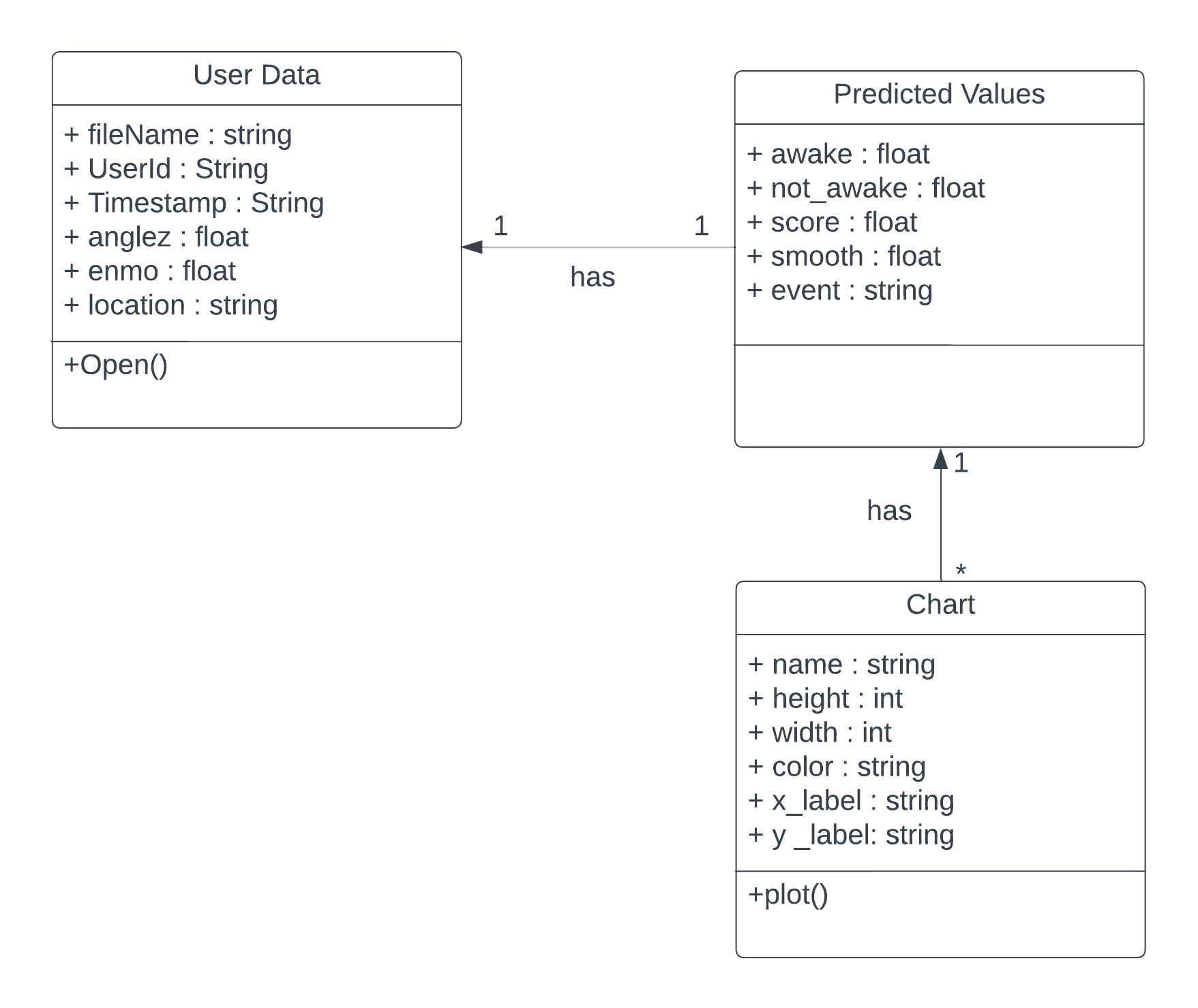
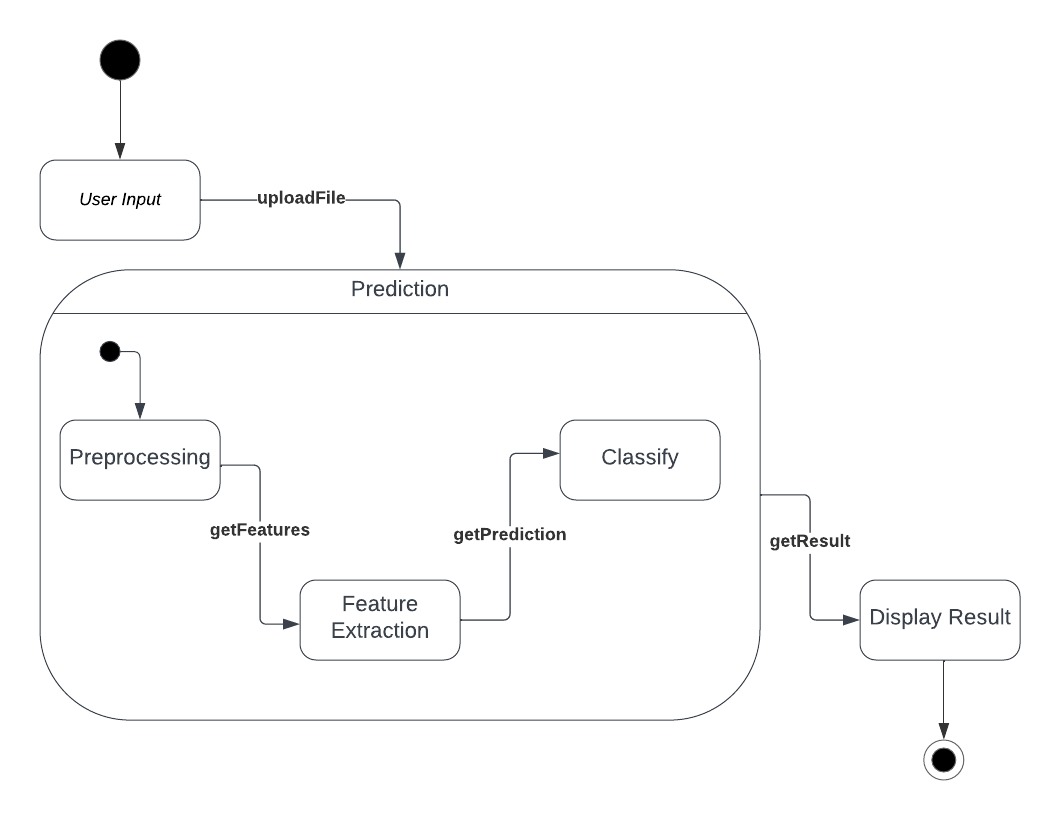


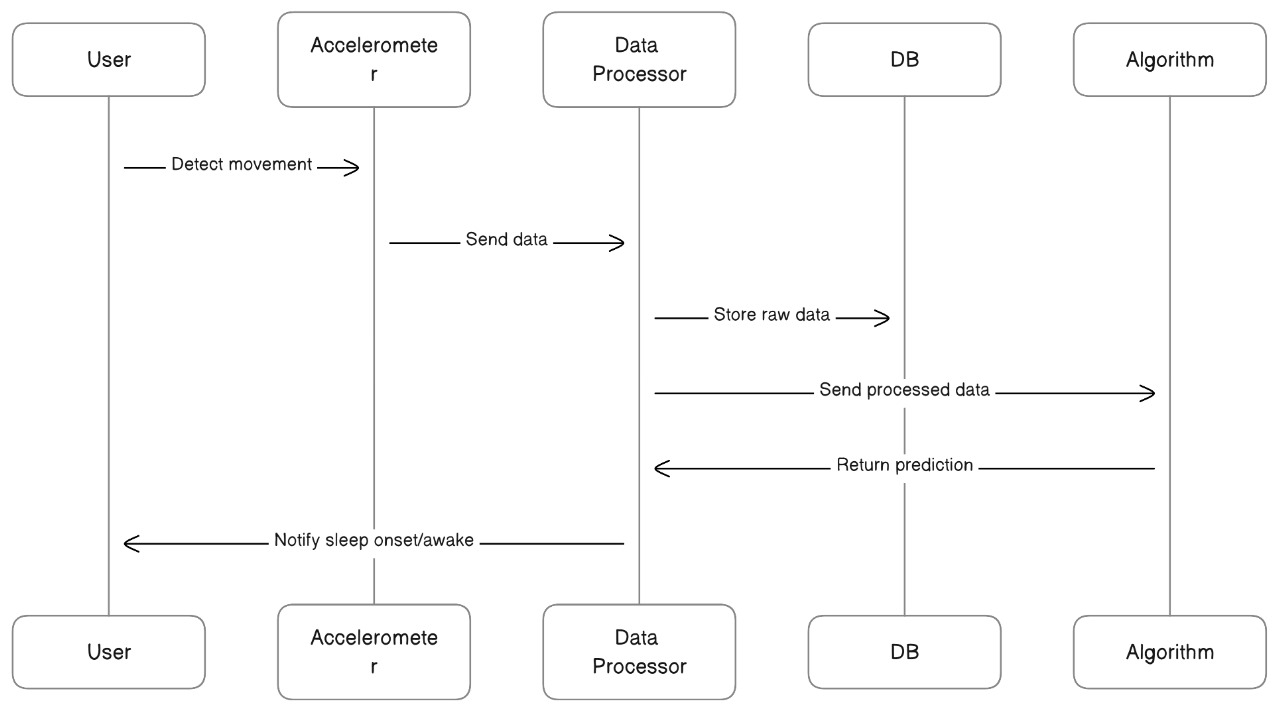
**Fig 1: Use Case Diagram**

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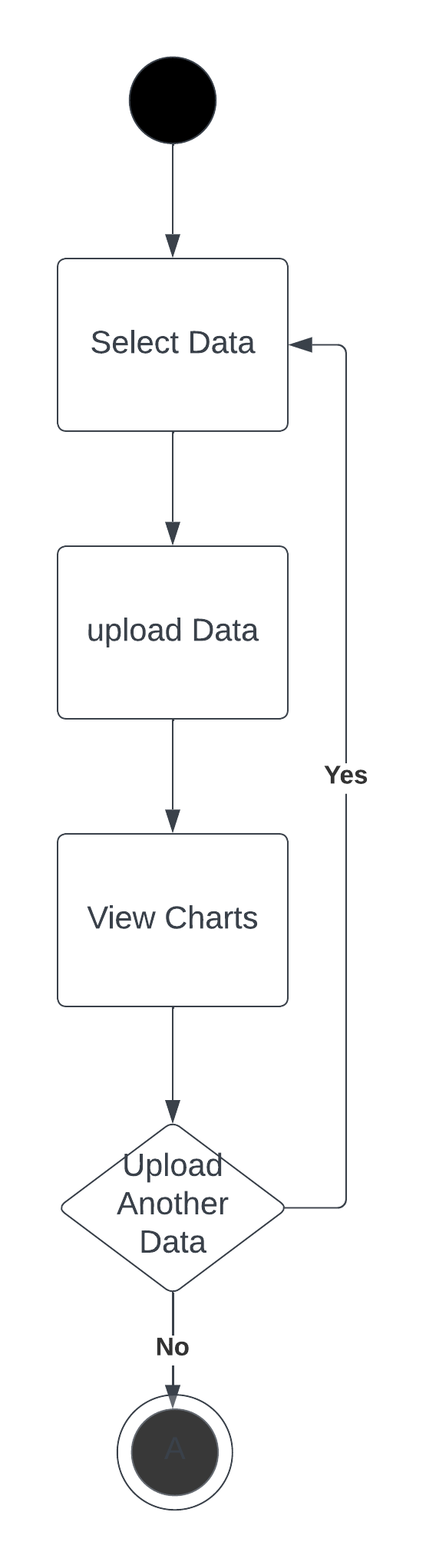
**Fig 2: Class Diagram**

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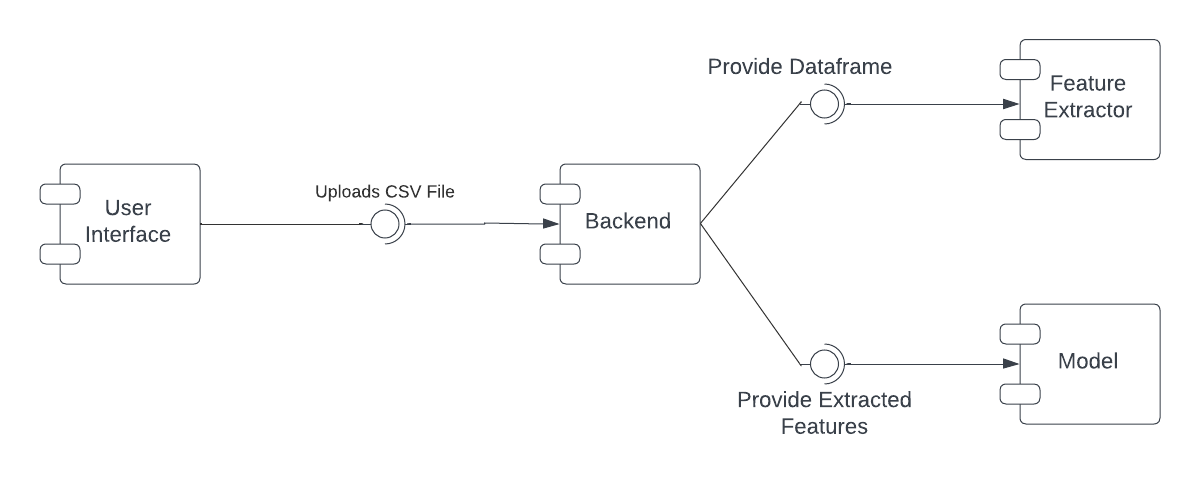
**Fig 3: State Diagram**

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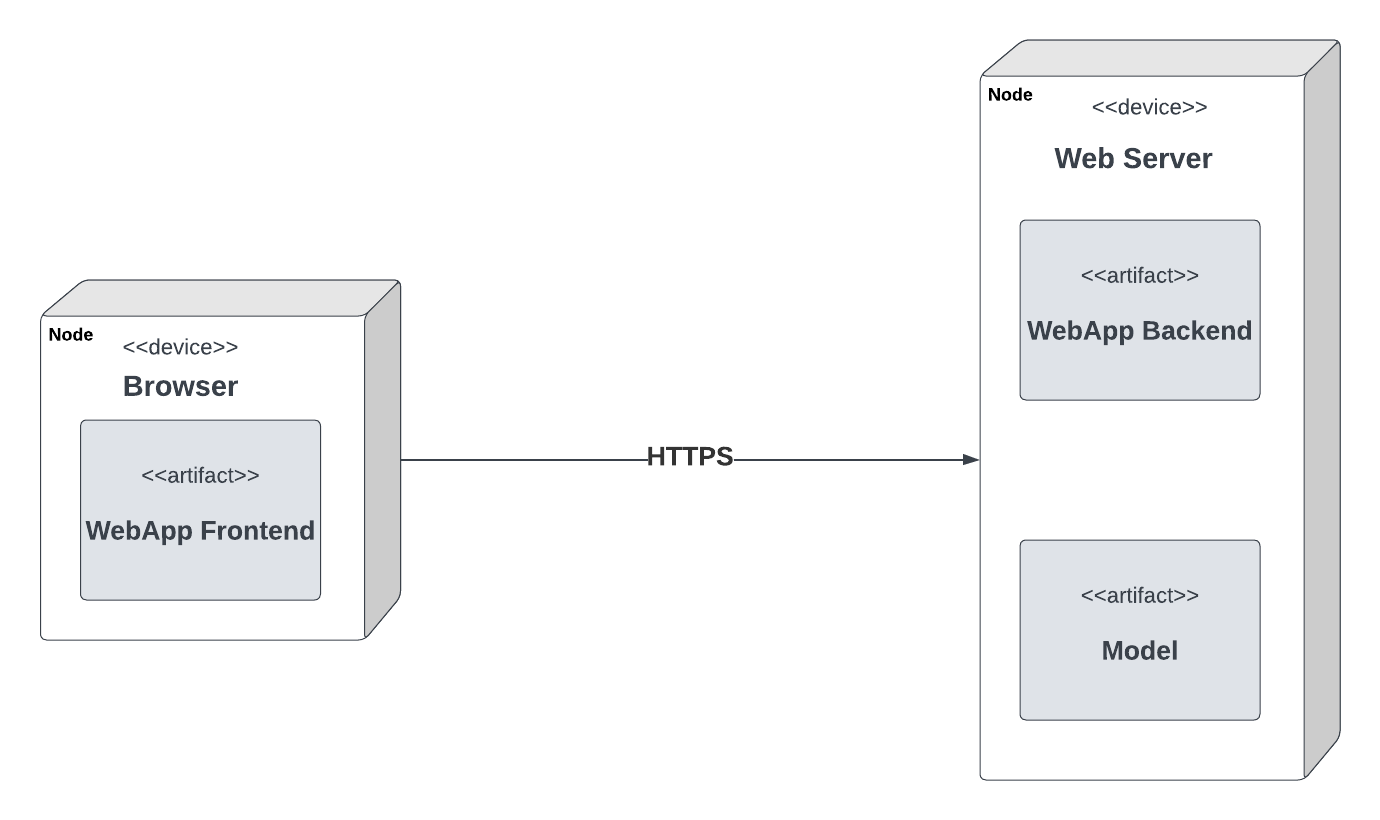
**Fig 4: Sequence Diagram**

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**Fig 5: Activity Diagram**

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**Fig 6: Component Diagram**

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**Fig 7: Deployment Diagram**