

DevOP by *OpFlow*

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Agenda

- Introduction
- High Level Requirements
- Final Design
- Test Plans and Results
- Problems and Challenges
- Questions and Discussion

Introduction

DevOP is based on the Electron framework and as such will run on any modern operating system. The application brings the functionality of many popular development tools under a single umbrella and supports personal and team-based record keeping, visual task board to easily convey that information, and real-time chat with persistence. DevOP is targeted at teams that want modern planning and team-work functionality without the monthly subscription and cloud-based storage of information that most of these tools require.

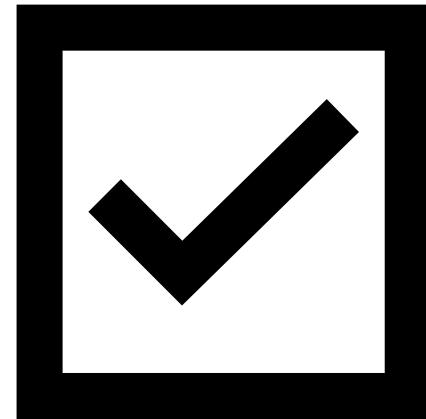


High Level Requirements



Requirements

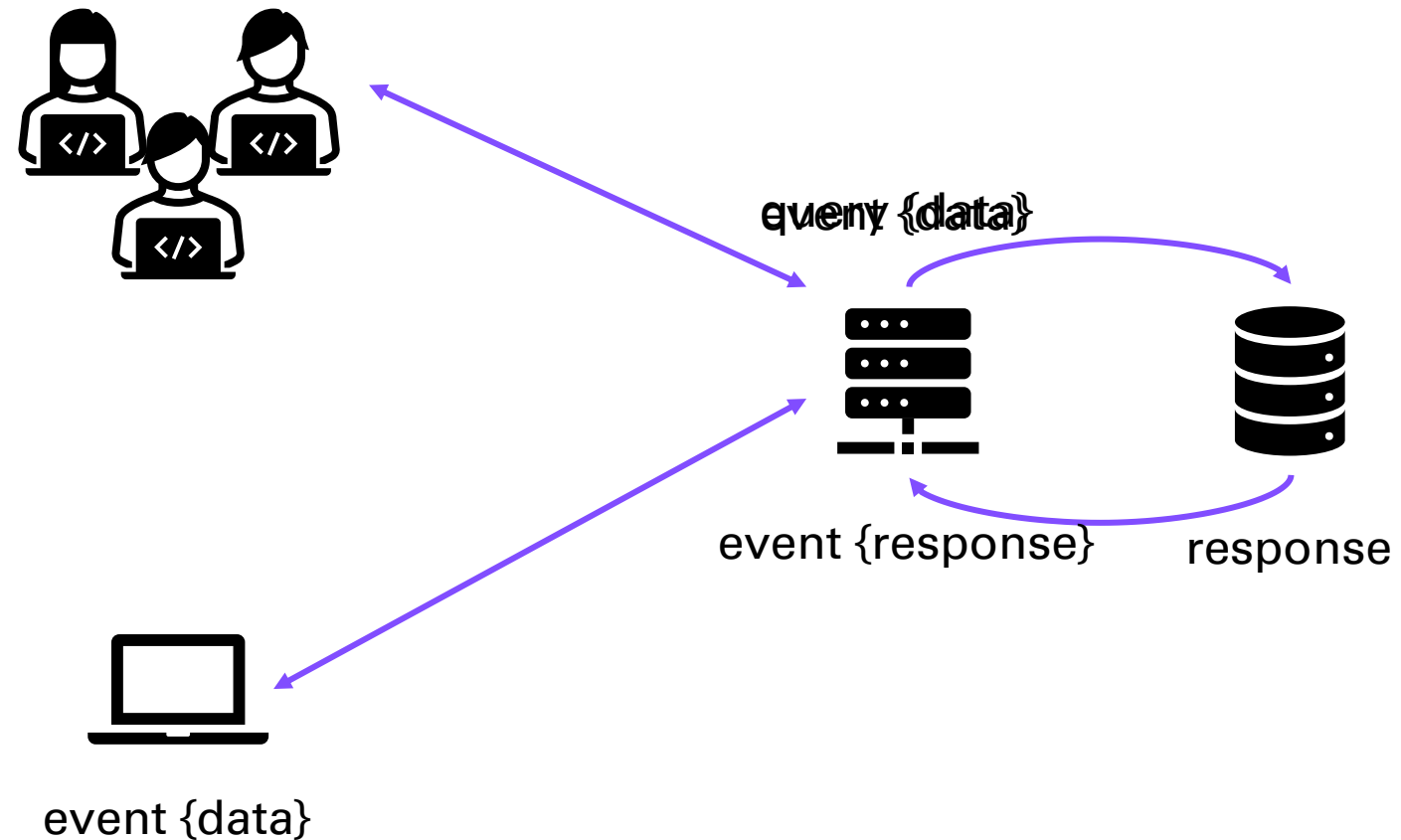
- Cross Platform
- Task Tracking
- Visual Task Board
- Chat Communications
- Persistent Settings
- ~~Search Functionality~~



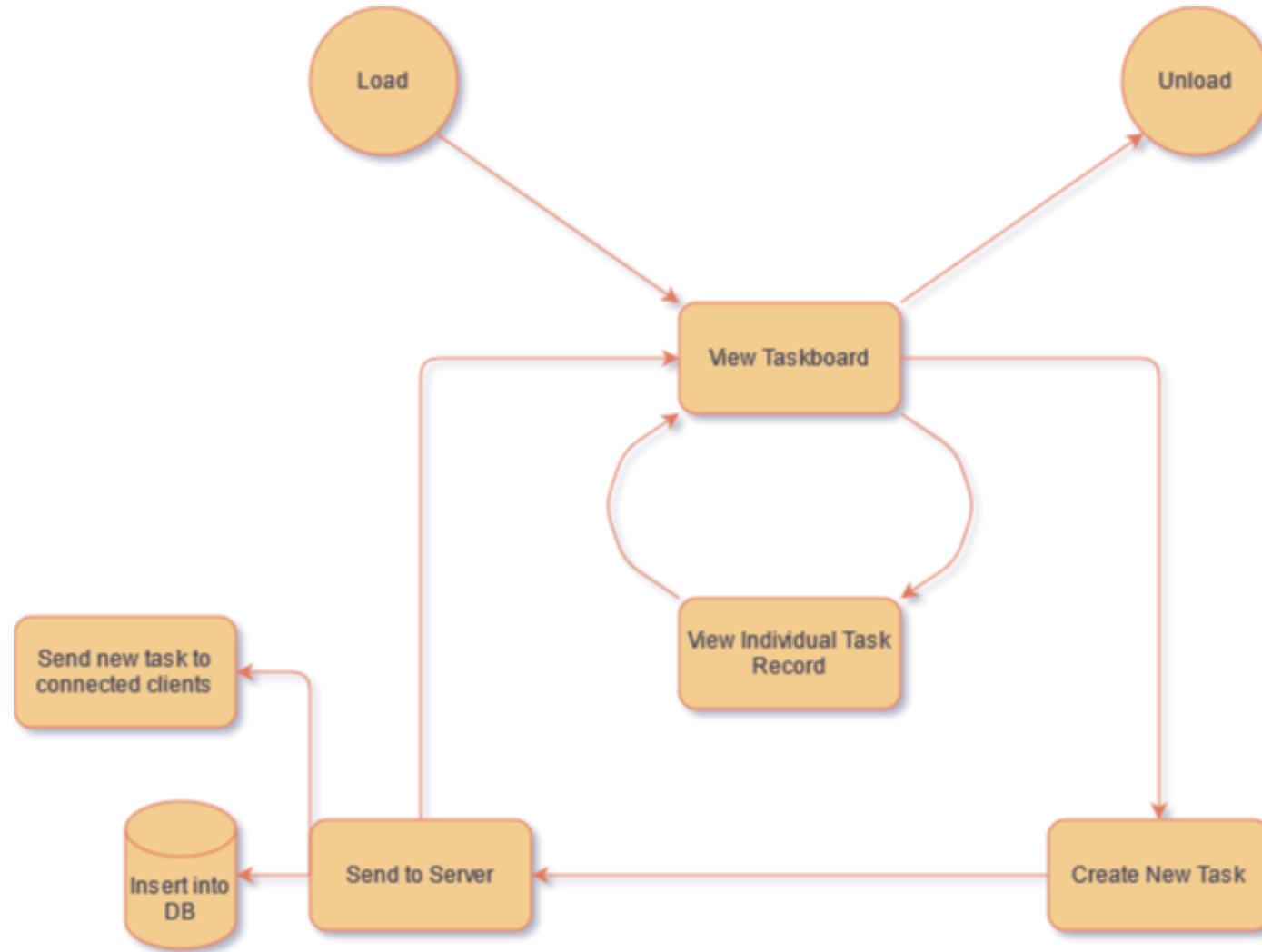
Final Design

The background is a gradient of purple and blue, overlaid with intricate, glowing white and yellow wavy lines that resemble topographical maps or fluid motion. Numerous small, bright particles are scattered throughout, particularly concentrated along the wavy lines. In the upper right corner, there are three distinct white symbols: a plus sign (+), an open circle (o), and a solid dot (•).

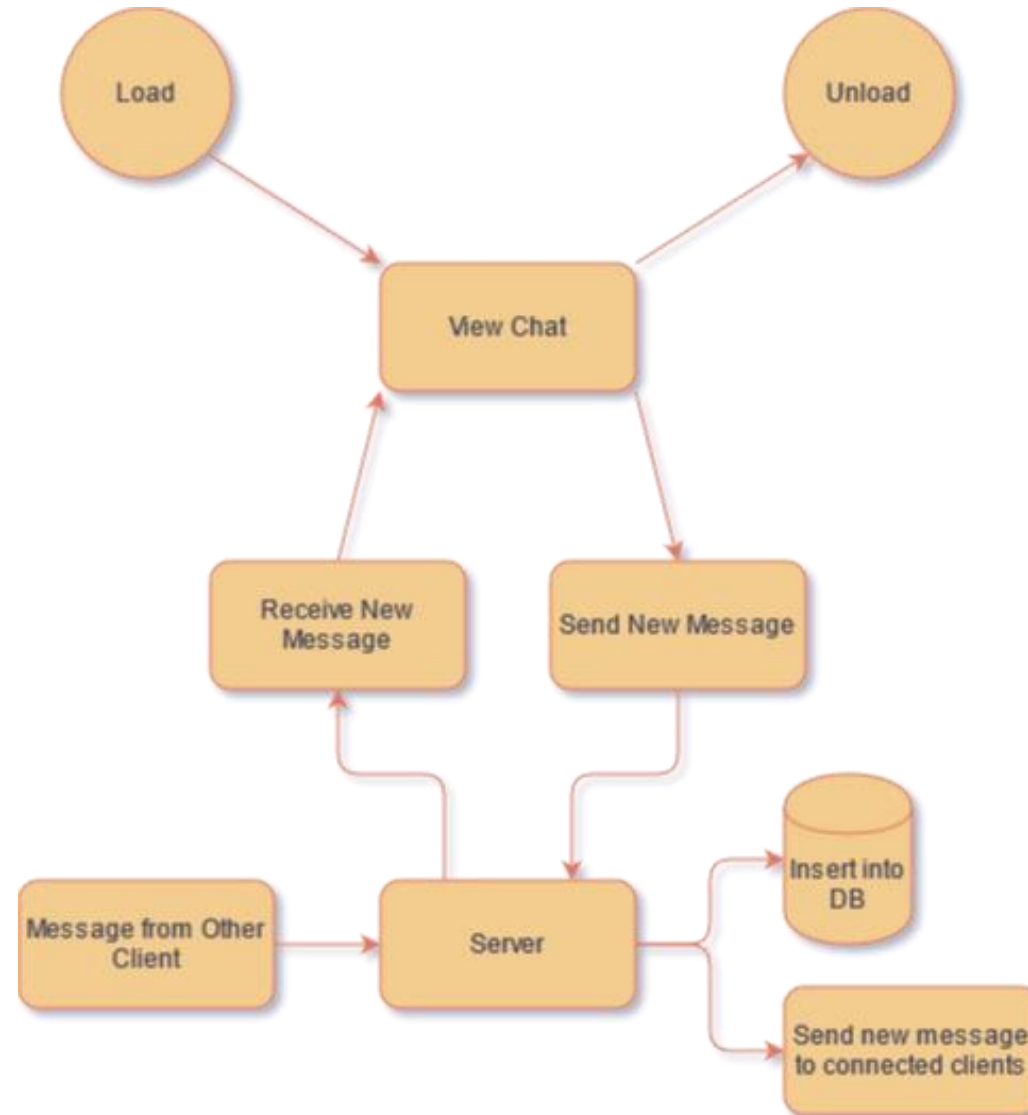
Client-Server Interaction



Task Board State Diagram



Chat State Diagram





Live Demo

Results



Test Plan

Requirement	Description	Result
R1.0	User can launch program from any supported platform.	Pass
R1.1	User sees all applicable fields on Task form.	Pass
R1.2	User can create, update, and delete Task records.	Failed – Issues with binding functions to components in React.
R1.3	User can view Visual Task Board.	Pass
R1.4	User can create, rename, and delete Visual Task Board columns.	Failed – Issues with binding functions to components in React.
R1.5	User can move Task Cards between columns on Visual Task Board.	Failed – Issues with binding functions to components in React.
R1.6	User can participate in real-time chat with other team members.	Pass
R1.7	User verifies that chat messages persist through repeating launches of the application.	Pass
R1.8	User can navigate to Settings page.	Pass
R1.9	User can edit values on the Settings page form.	Pass
R1.10	User verifies that Settings persist after saving.	Pass

Problems and Challenges

→ Not Working ←

- Updating and deleting Task records
- Updating and deleting Columns
- Drag and Drop functionality

→ Deferred ←

- Search functionality



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