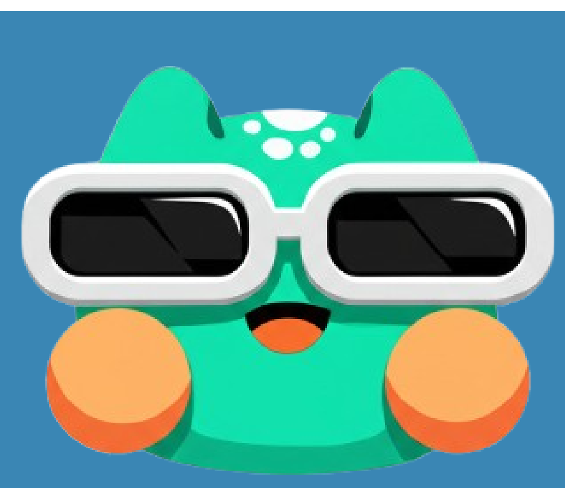


LeetBuddy

AI-based Technical Interview Preparation Tool

Yaaska Pandit, Trevor Cho, Nicholas Medland, Ryan Phan

1 Introduction

The Problem

- Current technical interview tools lack personalized guidance.
- AI often provides direct answers, limiting the learning process.
- Switching between AI chat and problem-solving websites is cumbersome.

2 Understanding User Requirements

Pros (LeetCode)

- Progress tracking
- Customizable code interface
- Keyboard shortcuts

Cons (LeetCode)

- Hard to find problems
- Inaccurate difficulties
- Unhelpful, generic hints
- Useless dashboard

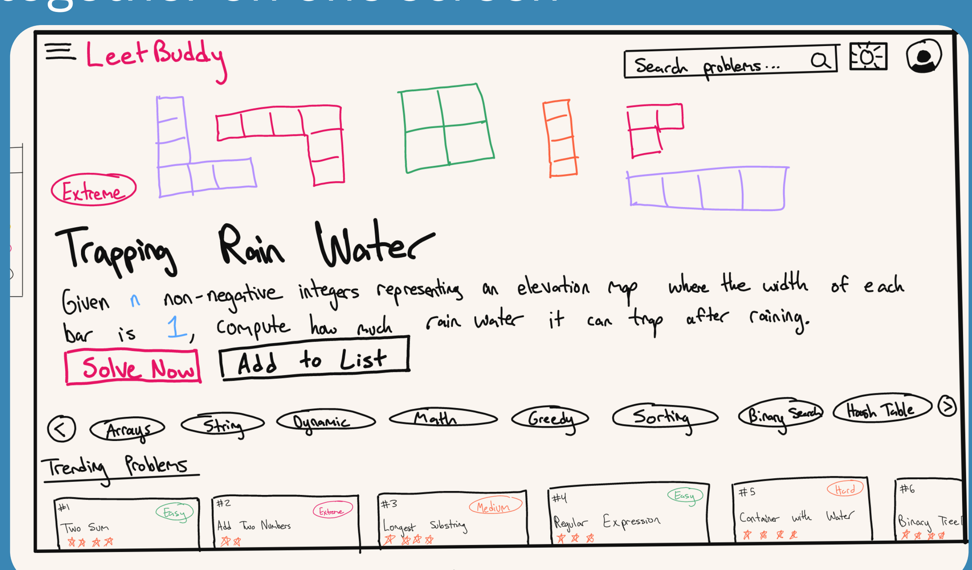
Our Solution/Requirements

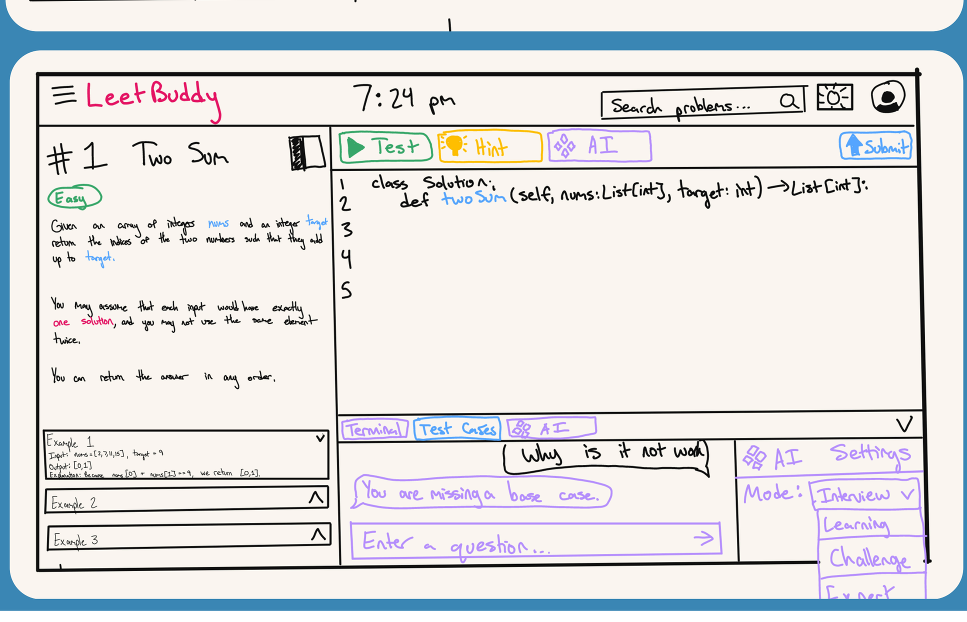
- Intuitive, clean dashboard and homepage design
- Better 5-level difficulties
- Native AI hints and chat
- AI feedback and analysis on submission

3 Low Fidelity

Design Rationale:

- **Easy Browsing:** "Netflix-style" layout with cards to make finding problems less boring
- **All-in-One Workspace:** Aimed to put the problem, code editor, AI help, and hints together on one screen

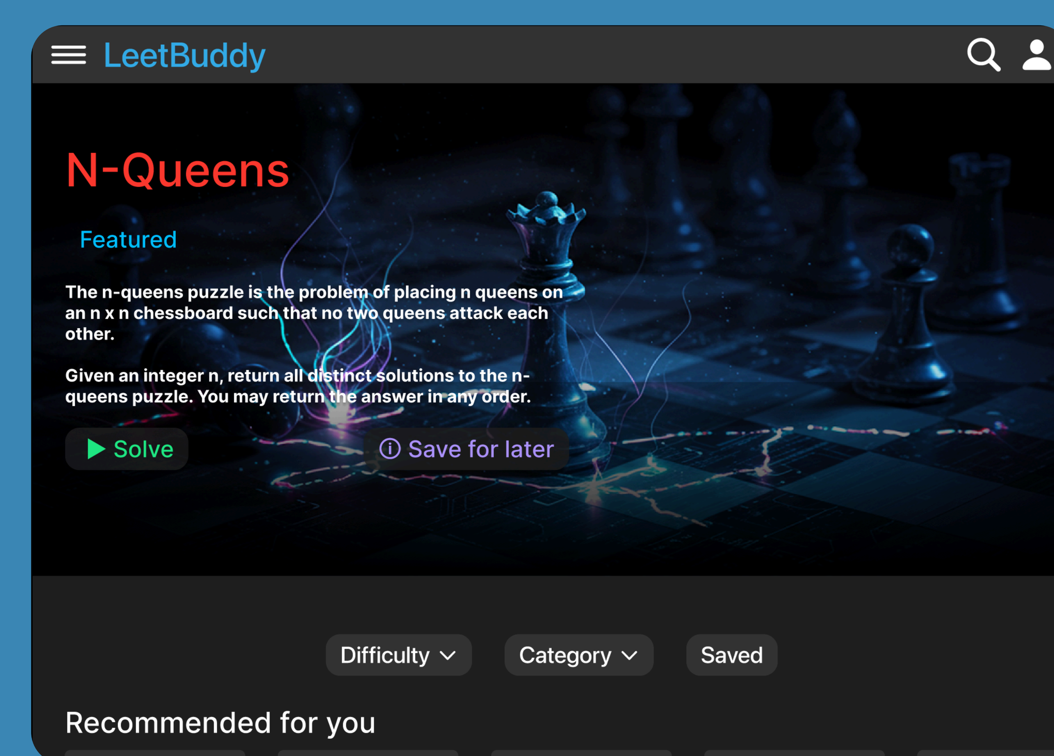


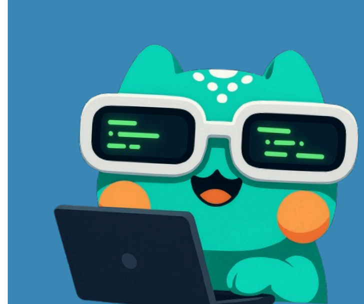


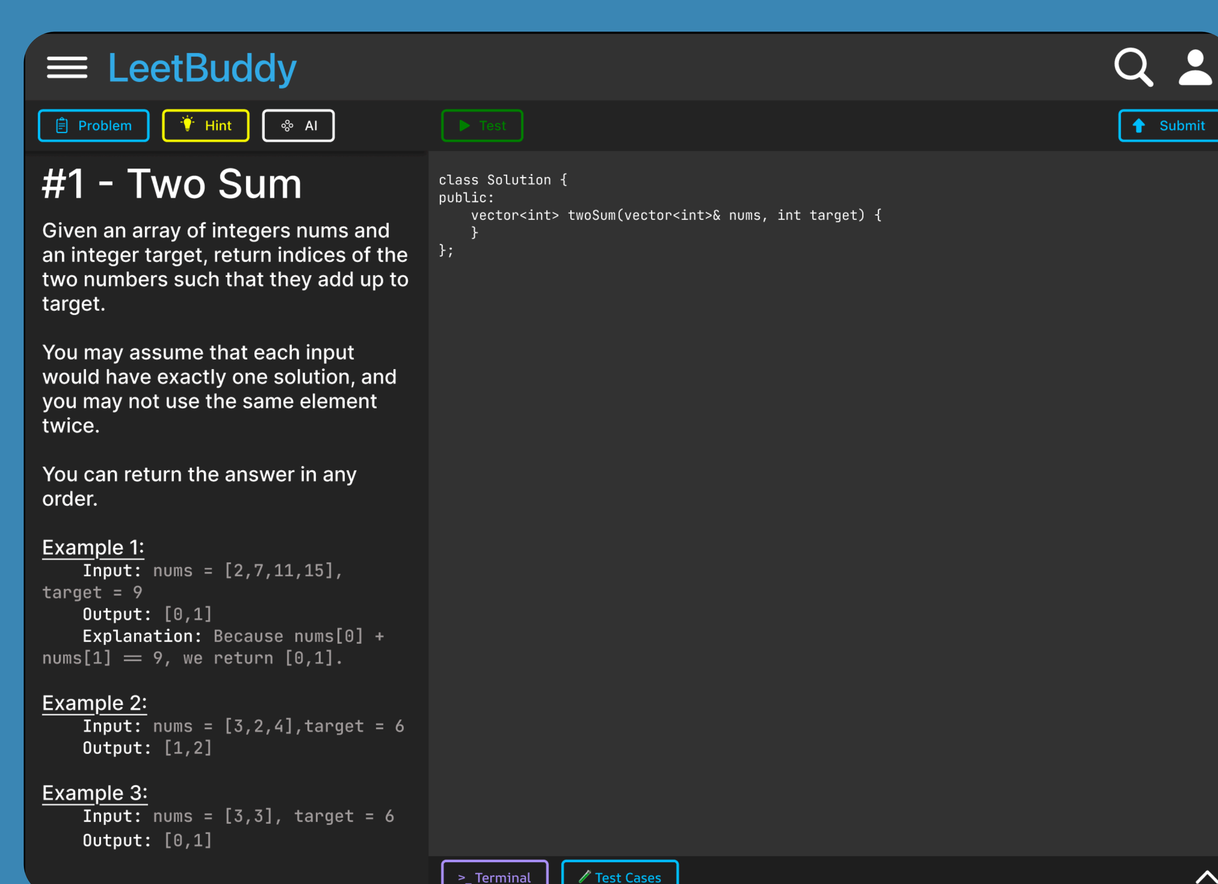
4 Medium Fidelity

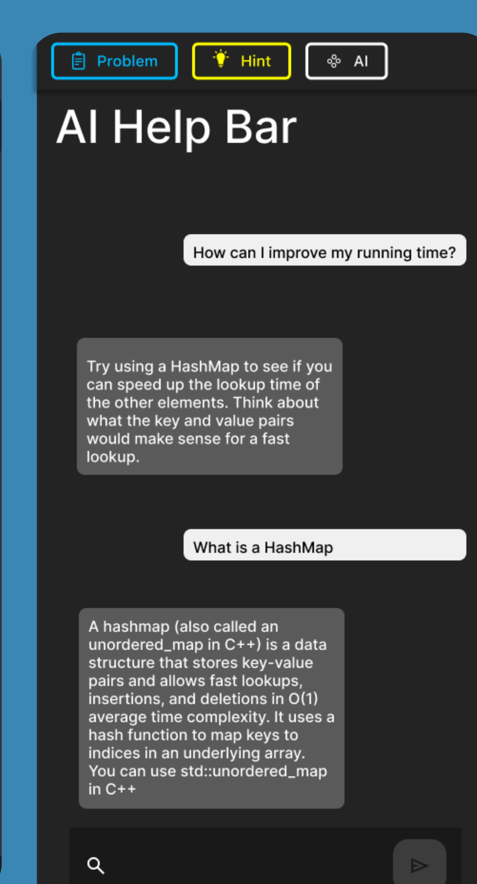
What Changed?

- **Improved Navigation:** Added dropdowns to easily filter problems by tags.
- **Customizable Editor:** Enabled resizing of the code editor for user preference.
- **Streamlined AI Access:** Moved AI hints/ chat to a dedicated, accessible panel.

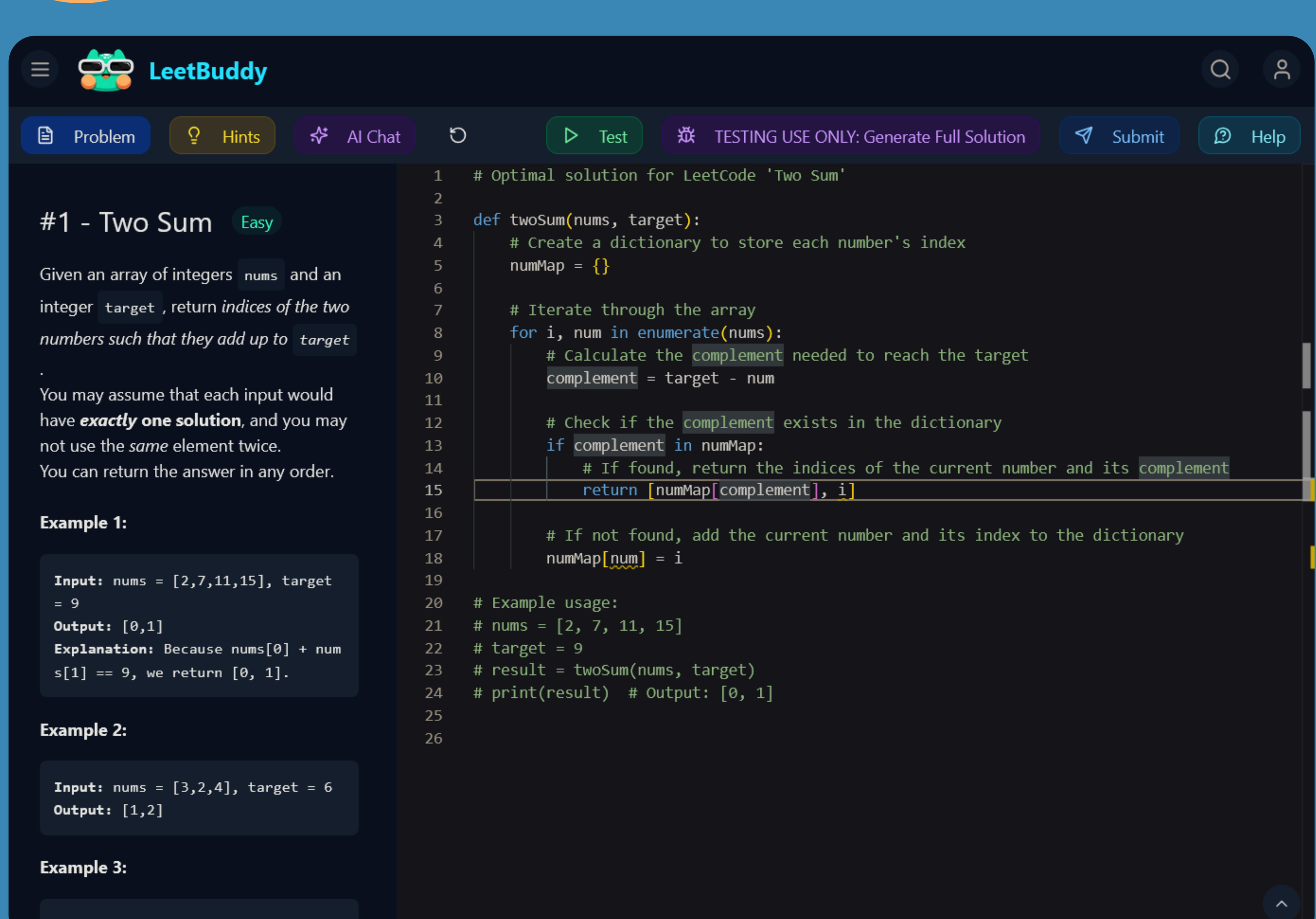


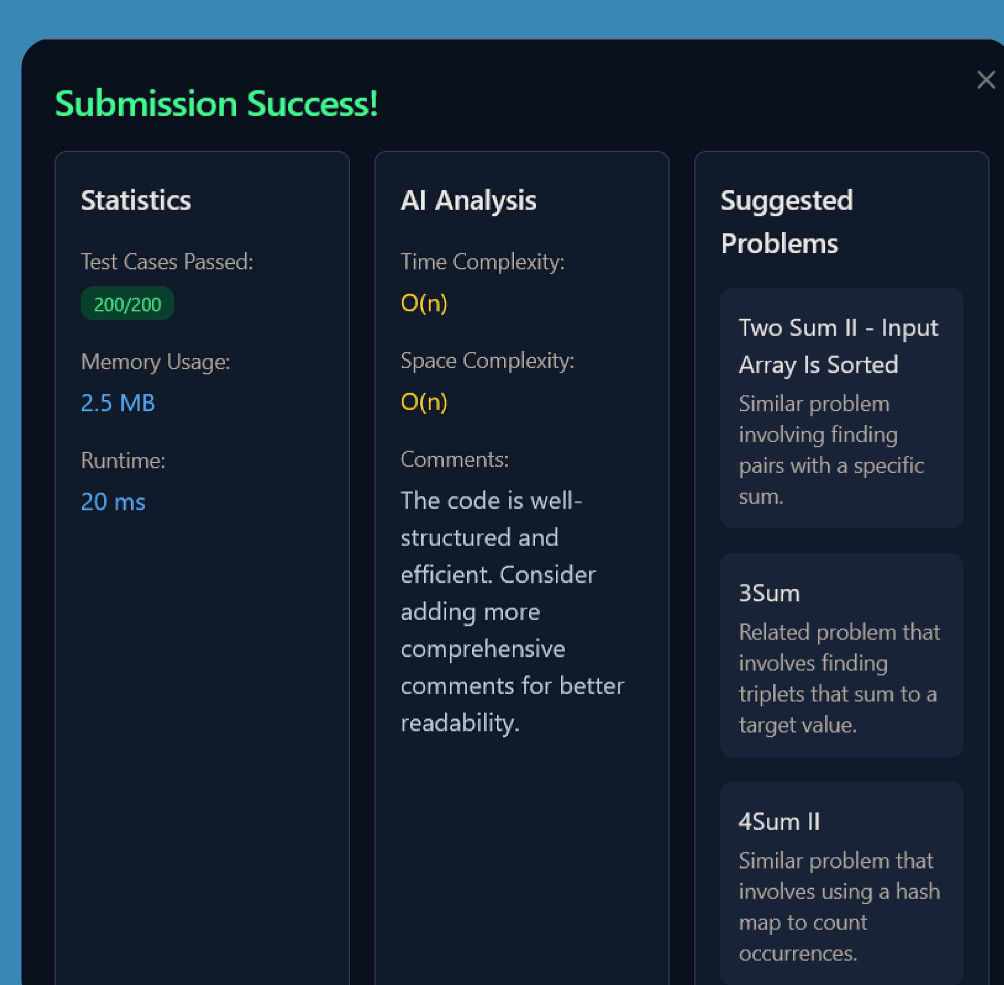


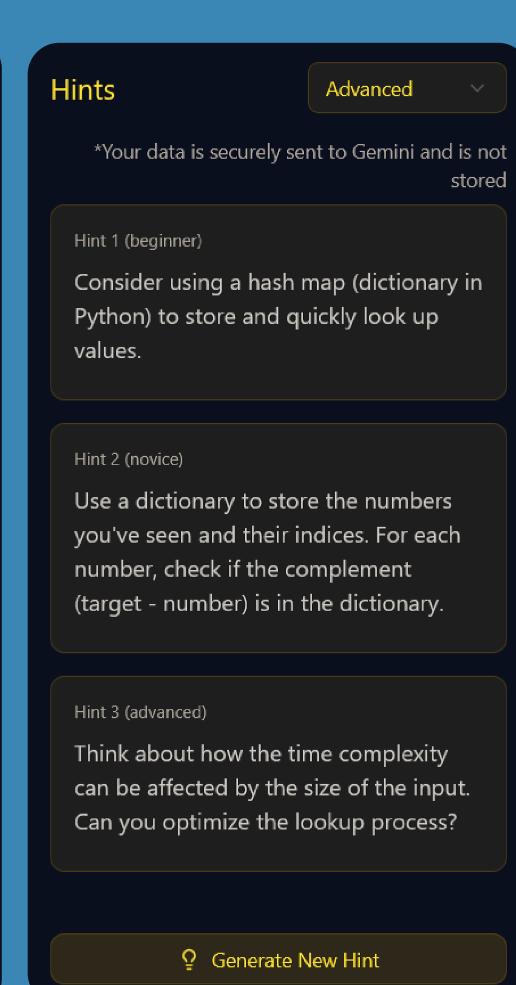


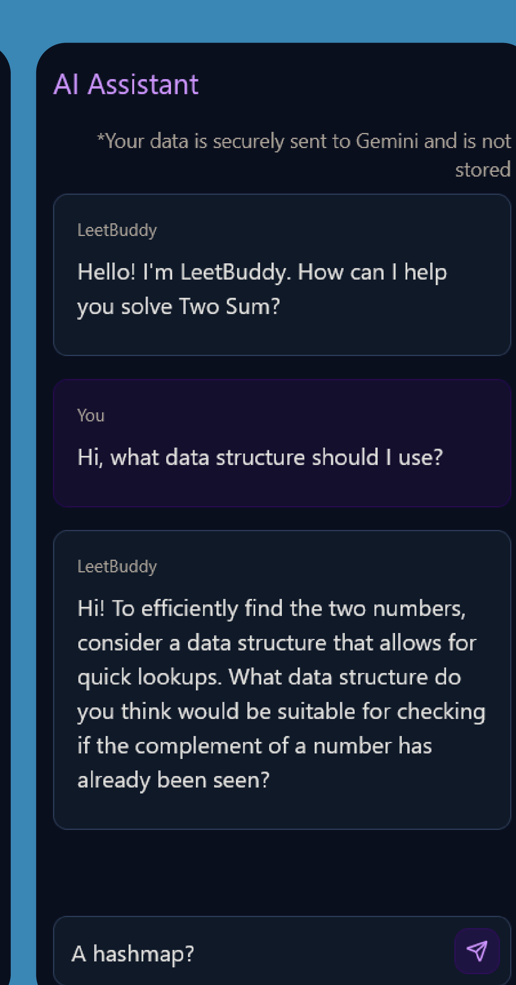


5 High Fidelity









Implemented Features:

- **Built-in AI Assistance:** Offers native AI hint generation and interactive chat during problem-solving
- **AI Code Review:** Provides analysis of time/space complexity, style, and actionable suggestions
- **Full LeetCode Access:** Integrates with LeetCode API to access its entire problem library
- **Integrated Help System:** Features built-in tooltips and a help modal for easy guidance