

MVP

- Working GUI - Create, edit, delete, open, and save spreadsheets
- Ability to store sheets over multiple sessions
- Ability to enter text, numbers
- Basic editing features like insert, delete, and update cell value
- Ability to save data locally as a CSV file.

Desirable Features

- **Operations:**
 - Essential arithmetic operations (addition, subtraction, multiplication, division)
 - Being able to save as multiple file options (.xlsx, .html, .pdf, etc..)
- **Formulas and Functions:**
 - Algebra in individual cells
- **Cell Referencing:**
 - Ability to reference cells within formulas.
 - Support for both relative and absolute cell references.
- **GUI:**
 - A simple and grid interface
 - **Toolbar:** A basic toolbar with icons for common tasks like adding new sheets, formatting cells, and adjusting rows/columns.
 - **Menu Options:** Simplified menus focusing on file management (New, Open, Save, Close) and basic edit operations (Copy, Cut, Paste), highlighting multiple rows.
- **Testing:**
 - Test Suite to ensure functionality - 90%+
- **Deployment:**
 - Containerize the application using Docker
- **Security:**
 - User login feature
 - User status: editing/viewing/suggesting
 - Data security/password

Additional Features - Bonus

- Formatting options such as font size, text color, background color, and cell borders.
- Auto-fill functionality to extend cell contents and formulas dynamically.
- Support for eAuto-fill functionality to extend cell contents and formulas dynamically.
- Concurrent editing of multiple users
- Auto-saving (once per session)
- 1 undo
- Restoring prev versions (up to 5 stored)
- Alternate themes for UI (light/dark mode)