## **Release Plan**

**Product Name:** Parasheet  
**Team Name:** parasheet-devs  
**Release Name:** MVP-1.0  
**Release Date:** July 26, 2025  
**Revision Number:** 1  
**Revision Date:** July 21, 2025

**High-Level Goals**

1. Allow users to **load**, **edit**, and **save** spreadsheets in CSV format.
2. Execute spreadsheet logic using a built-in **interpreter** capable of math and formulas.
3. Enable **execution of individual cells** and entire spreadsheets.
4. Provide **editing capabilities** via a simple command-line text editor (e.g., Vim or Nano).
5. Develop infrastructure including **Git integration**, a **build system**, and **testing framework**.

***User Stories Defining the Scope of the Release***

### ***Sprint 1: File I/O & Display Setup***

* ***[P1]*** *As a user, I want to* ***load a CSV file*** *into the spreadsheet so I can edit existing data. (3 SP)*
* ***[P2]*** *As a user, I want to* ***save the spreadsheet to file*** *so I don’t lose my work. (1 SP)*
* ***[P3]*** *As a user, I want to* ***see the spreadsheet displayed*** *on the command line to visualize data. (3 SP)*

***Spikes***

* *Investigate spreadsheet data structures*
* *Design language grammar for formulas*

***Infrastructure***

* *Build system (Make)*
* *Git version control setup*
* *Architecture design doc*

### ***Sprint 2: Evaluation Core***

* ***[P1]*** *As a user, I want to* ***execute a single cell*** *with a formula (e.g., =A1 + B2) and get the result. (8 SP)*

***Infrastructure***

* *Unit testing framework setup*

### ***Sprint 3: Execution & Editing***

* ***[P1]*** *As a user, I want to* ***execute the entire spreadsheet*** *from top to bottom to compute all formulas. (2 SP)*
* ***[P2]*** *As a user, I want to* ***edit cell contents*** *through a built-in text editor (Vim-like experience). (1 SP)*
* ***[P3]*** *As a user, I want to* ***edit spreadsheet structure****, including adding/removing rows or columns. (2 SP)*

Sanity Check:

Sprint 1: 7 SP

Sprint 2: 8 SP

Sprint 3: 5 SP

Total: 20 SP

## ***Potential Risks***

* *Interpreter Complexity: Executing a cell with dependencies may require more time if parsing is tricky*
* *Editor UI: Custom Vim-style interface could become too complex*

Mitigation Strategy:  
Backlog is ready with features to pull in ahead of schedule, and lower-priority stories can be dropped if needed.