

# Product Plan

Define a language for building flipbooks and make a compiler for the same.

## Structure

To allow everyone to add their ideas with purely their thoughts, having a separate page per person. You can choose to not look at other ideas and solve as you originally would.

### MVP

- Implement a lexer and parser to read very basic command (range based flipbook)
- Generate to PDF
- Implemented MVP

### Iteration 2

- Implement Grid Structure
  - Would help to add multiple images to same screen
  - Would help to add resized images in particular location
- Implemented Iteration 2

### Iteration 3

- Make gif output
- Implemented Iteration 3

### Iteration 4

- Add basic Tkinter GUI for better UX.
- Implemented Iteration 4

### Future Iterations

- Better Error handling
  - We can use the AST constructed to give a meaningful error in case of wrong instruction
- Add easier movement controls
  - We can extend the language to add more controls such as single command to define linear movement
- Better env control
  - We can give user control to decide pdf background color heading color etc.