Cultivator

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What is "Cultivator"? Who is it for?

- A website/tool that helps the users store data on crops they are growing.
 - Irrigation Management Tool
 - An alternative to handwritten records/notes
- This application is made for farmers, gardeners or even just someone new to growing crops.
 - Tips/Guidance provided to each crop
 - Status of Crops



10x10

Width: 10 | Height: 10

Main Page - Field Creation

- Create your own crop field/grid
- Set the size & name of your field
- Hover over created field boxes to view/edit or delete



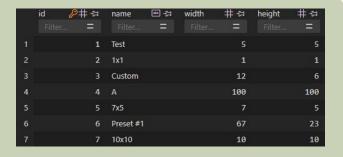
Height:

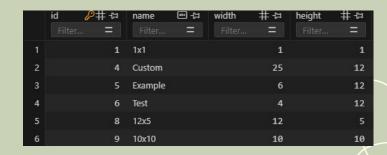
Create Grid



Main Page - Field Creation

- All created fields are stored in the SQL database table
- A field grid is generated using width/height values





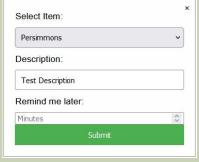




Interacting with the Field

- Clicking on a grid cell allows the user to add crops from a drop-down list
- Function to replace or delete a crop from grid cell

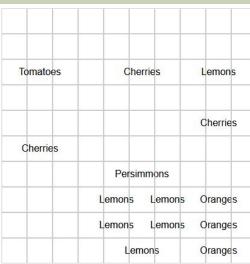






- Crops that are added into a cell is stored in it's own DB table
- DB Table updates along with what's shown on the field grid





Stack/Technology



Flask

Back-end Web Framework



Jinja2

Web Template Engine



SQLite

Database Engine / DB Management System



CSS

Styling HTML Content





HTML/JS

Content Structure & Interactivity for Web Pages







Planned Implementations

- Add a timer for each cell, with showing end time by system clock
- Add tips/info box when clicking on the specific crop's grid cell
- Replace the crop words with an actual icon representation

Thank You!