PROBLEM

The Prison Garden Production app will be a tool for inmates to use in prisons across lowa for educational and rehabitual purposes. It will provide inmates with skills they can use to re-incorporate themselves into society, while also giving them a sense of accomplishment. This app will meet prison security standards regarding internet access by restricting wifi. A connection through a secure server will be made for the faculty to track inmate progress.

NON-FUNCTIONAL REQUIREMENTS

- App needs to be mobile friendly
- Tablet needs to be durable
- Tablet OS needs security modifications
- Appealing, organized, and easy to use interface
- Cross-platform can run on any tablet

FUNCTIONAL REQUIREMENTS

- Authorize credentials
- Register new users
- Track user progress
- Allow users to view lessons
- Prompt user for a quiz after each unit
- Tablet OS allows access to this app only
- Provide means for non-technical people to edit, remove, and add content

TECHNICAL DETAILS

- MVC Design Pattern
- Django for server side functionality
- Python for models
- HTML5, Javascript, JQuery, CSS, and Bootstrap for UI design & interactivity
- MYSQL DB to store user information
- Currently Tested for Android Tablet

PRISON GARDEN APPLICATION

Client: Julie Stevens

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Team: may1713

Team Members: Andrew Dailey ,Jacob Stimes, Jacob Anhorn ,

Matt Koenig, Juan Venegas

DESIGN

Android Operating System

Security Modifications

- Disallow installation & use of other apps
- Disallow modification of advanced settings
- Disallow camera use

Database

Glossary

Performance Data

- Restricted network access
- Disallow saving to external storage



Garden Application

Administration Tool

- Analyze user progress & performance
- Add, edit or remove content such as lessons and quizzes

Back-end Server

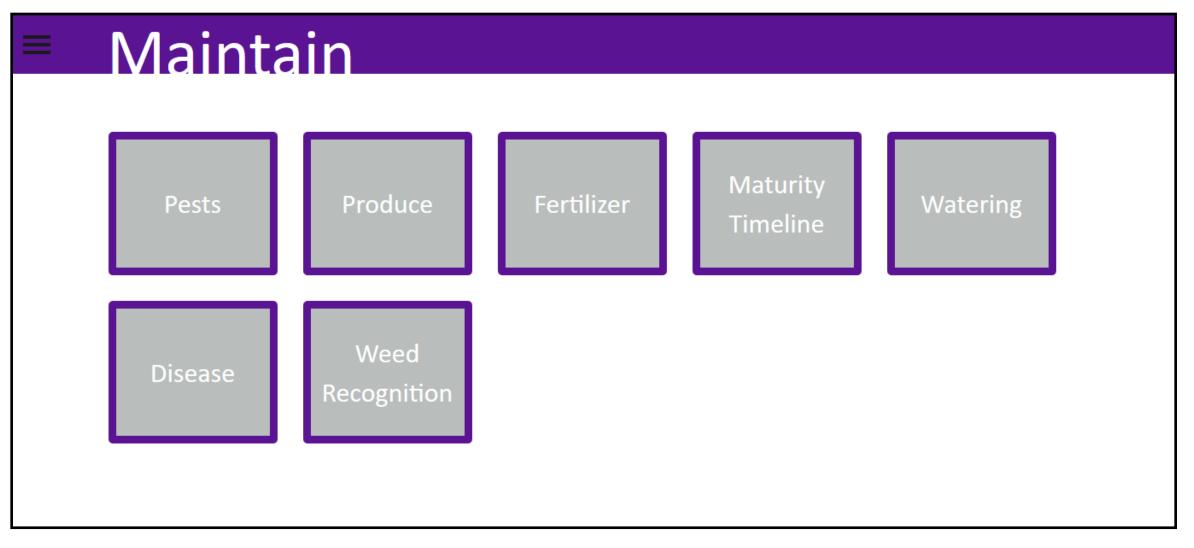
- Handles user authentication
- Syncs user profile, progress and lesson data
- Handles requests for content from admin and inmate applications
- Handles all communication with database

Inmate Application

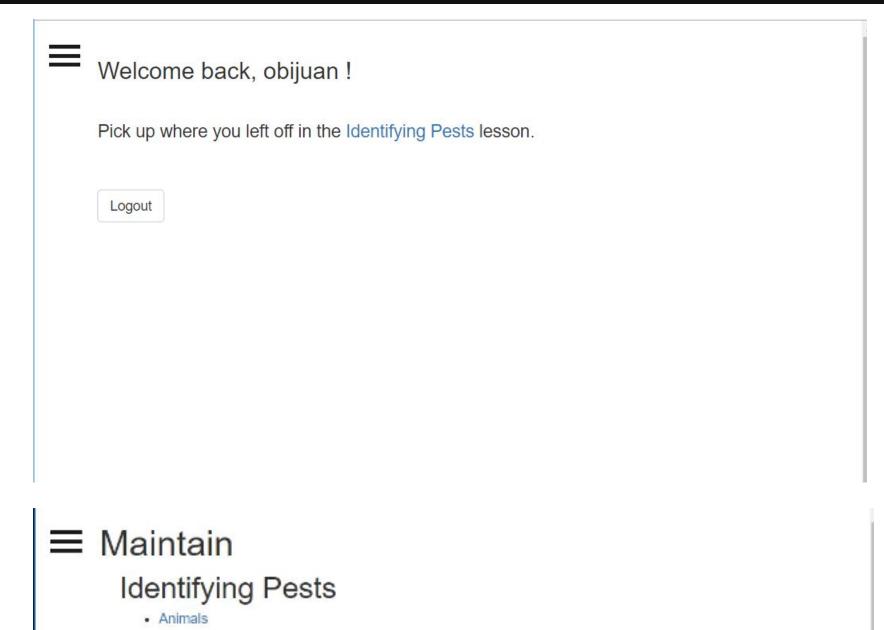
- Interactive UI for lessons and quizzes
- Client-side authentication and data synchronization
- Progress tracking

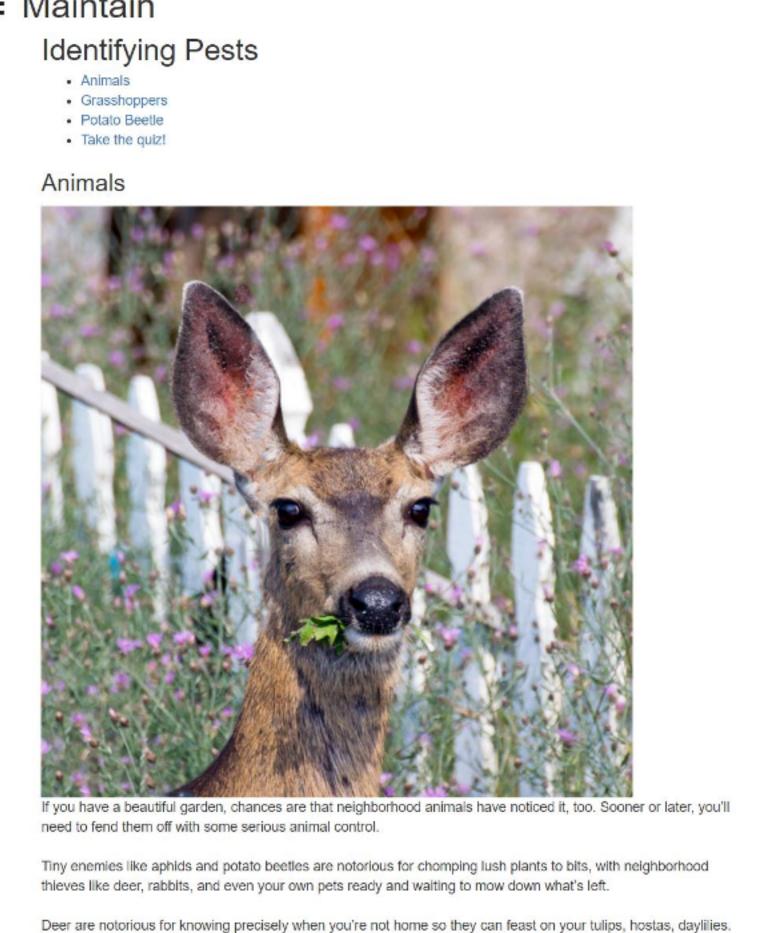
User profiles Lessons Quizzes Ethernet

SCREEN SHOTS



Welcome	Back! I	Please	Sign In
Username			
Password			
	Logi	n	
on't have an a	ccount? Reg	gister!	





Your edibles aren't immune either, which can be devastating if you rely on your garden to feed your family (see