

The Digital Menu: U-Menu

Our Vision

Objective

- To replace traditional paper menus in restaurants with digital versions
- Address issues concerning wasted time of waiter/waitresses having to answer common inquiries
- Manageable menus made from simple customization interface

Customers

- Restaurants and their consumers

Scope

- Adding/Editing/Removing menu items
- Filtering/Sorting based on consumer criteria
- Customizable themes

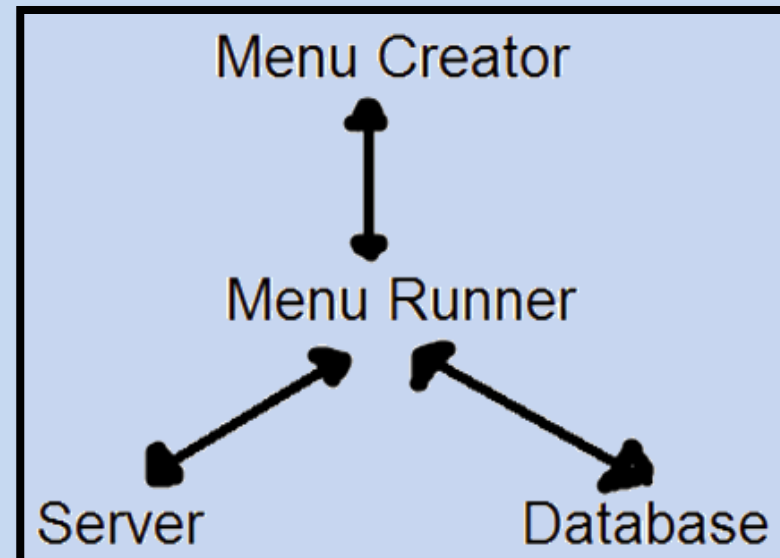
Software Architecture

Product Architecture

- Menu Creator will create a customized, exportable menu
- Menu Runner will load the exportable menu, including any customizations that are applicable
- When a user requests information about an item, it will be pulled from the database

How to implement functionality

- Majority of app will be managed in Java
- Extensive use of Android API and included libraries
- Including SQLite library



Challenges and Risks

Separation of Creation and Use

- Ideally, requires 2 apps
- One creates a custom menu system
- One reads/runs the menu system

Networking/Security

- More powerful features such as sending orders to the kitchen wirelessly

Firmware Support

- Android has many different firmware versions, we have to choose which to support