

Sunland Adventure Park



Group 5

Maitland Andrus
Devin Eccles
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Kaytee Tiede

Introductions

Hi I'm Maitland...

- I currently work at Motorola Solutions as a QA
- I love to ski and mountain bike
- I have two dogs, a Min Pin German Shepherd and a Border Collie



Introductions

I'm Devin

- I was just hired as a Sys Admin Intern at BAE Systems
- I love spending time outdoors
- I enjoy playing all different kinds of sports



Introductions

I'm Dallen

- I got an Associate's of Science out of high school thanks to NUAMES's early college program
- I'm the oldest of four other siblings
- I like to swim and scuba dive.



Introductions

Kaytee Tiede

- I work at HAFB during the Summer
- I have two younger brothers
- I love camping



Project Background

Sunland Adventure Park:

Create a Mobile App that allows park guests to do the following:

- Access Ticket
- Park Activities
- See Park Show Times
- Access Shops
- Interactive Map
- Track Location of Family Members/Friends

Sunland Adventure Park



Stakeholders:

Sunland Adventure Park

- Profit more on guests

Employees

- Scanning barcodes will make the transaction process quicker for employees

Guests

- Have access to the whole park on their phones

Sunland Adventure Park



Who will use this App?

- Guests
- Dining Staff
- Medical Staff
- Guest Services
- Security Personal
- Administrators
- Managers and Owners
- Adventure Guides, Water Park Attendants & Campground Hosts
- Activities/Events Coordinators



Feasibility Study

Do the benefits outweigh the costs?

Cost-Benefit Analysis

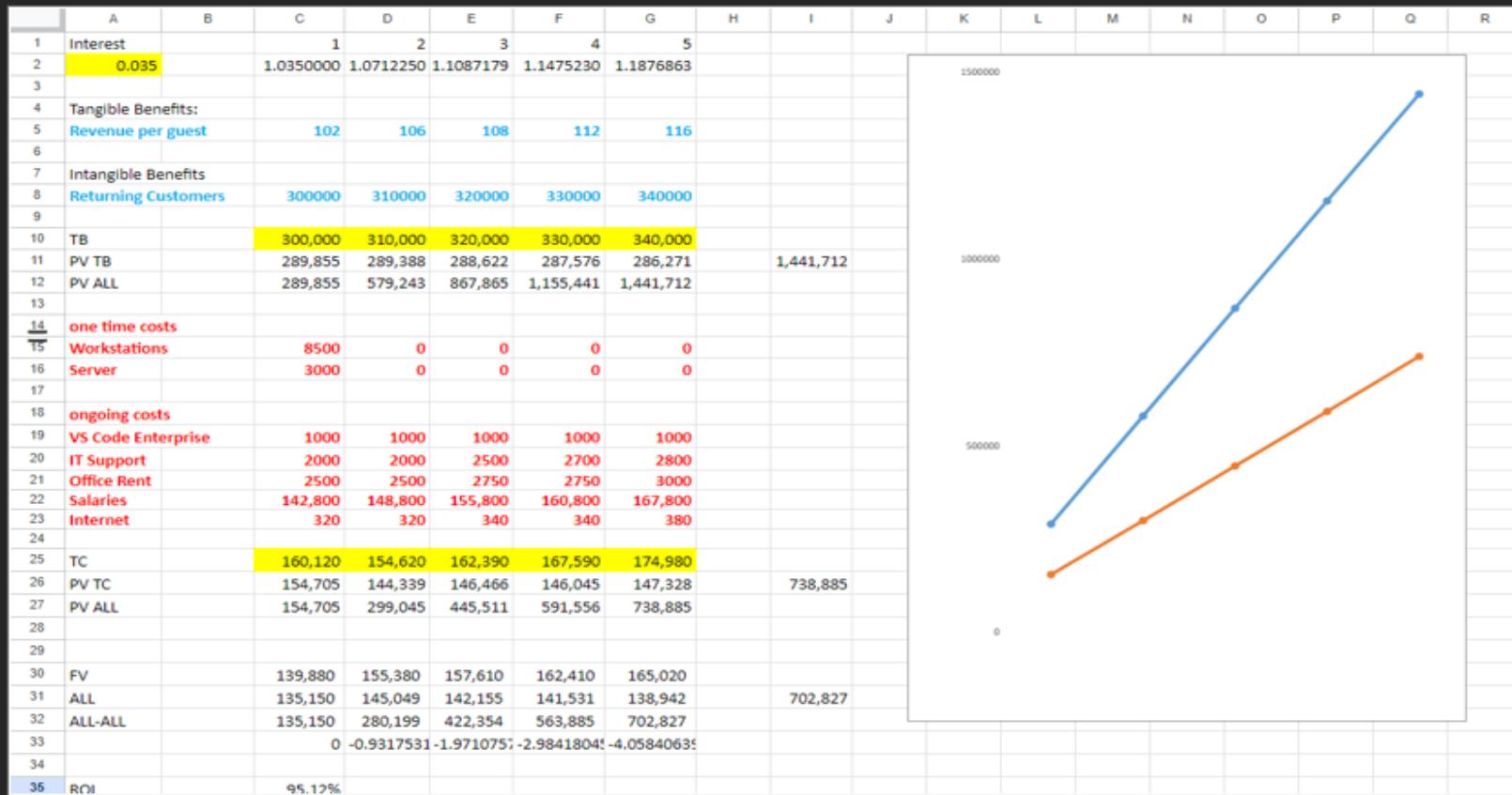
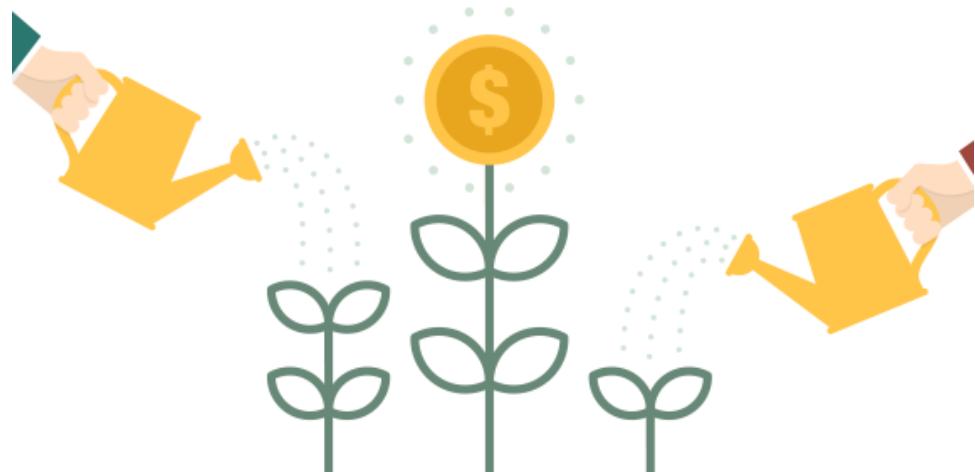


Figure 1: Cost Benefit Sheet

The Cost benefit analysis compares the costs and benefits of developing and implementing an app for Sunland Adventure Park.

Return on Investment

- Increased Park Attendance
- Dining Cost Efficiency
- Improved Communication
- Increased Park Revenue



IT Support

- We plan on providing support for the application.
 - Our team will handle our software
- Park Admins will manage the app
- Support will be provided through a third party to help
 - All hardware needs will be managed through them.



System Functionality: Guests

Our Park Guests will be able to do the following:

- Purchase / Manage Tickets
- Check Ride Times
- Purchase / Browse Food
- Check Map
- View Showtimes
- Request Services
- Find Members of Group
- Chat with Group
- Manage Profile
- Purchase from Shops



System Functionality: Staff

Managers & Owners

- **Perform** the role of any other employee

Administration

- **Update** the app and its functionality

Adventure Guides & Waterpark Attendants

- **Scan** fast pass barcodes
- **Scan** admission barcodes

Food Services Staff

- **Check** orders
- **Scan** food order barcodes

Guest Services Staff

- **Manage** guest communications: help desk, information, lost and found, season ticket and fast pass holder services

Medical Staff

- **View** requests for medical services

Activities/Event Coordinators

- **Create** update or cancel activities/events

Campground Hosts/Staff Coordinators

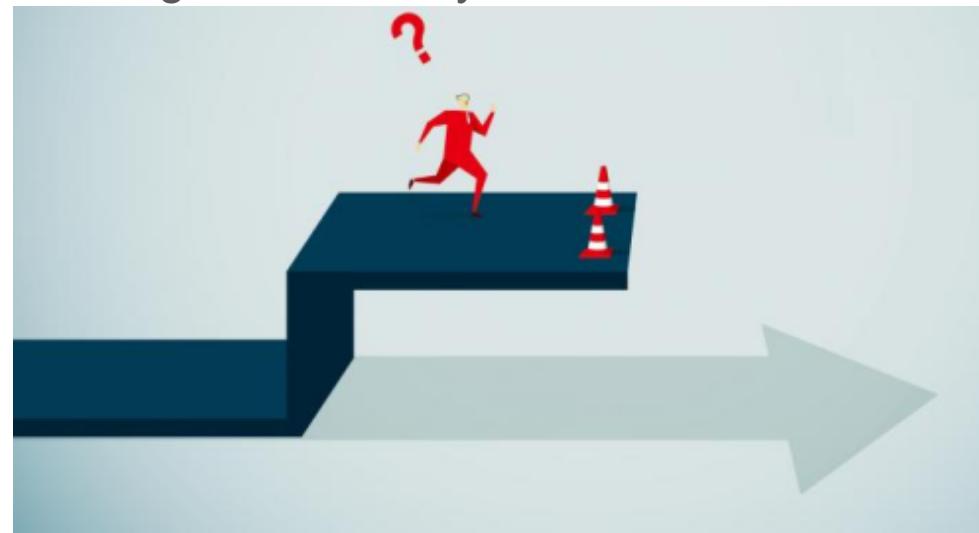
- **View** update or cancel campground reservations

Security Coordinators

- **View** requests for security services

Scope and limitations:

- Electronic payments need to be secure
- The app will allow guests to have access to park activities
- The app will need admins to manage functionality and maintain its staff user base

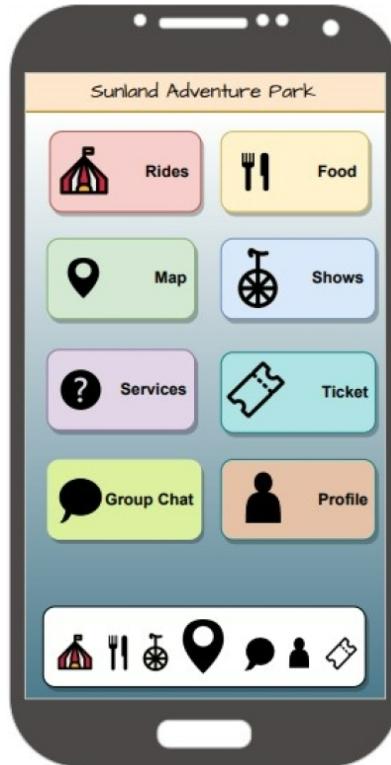


Guest Interface

Here are the changes to how guests can benefit from the app.



Home Screen User Interface Mockup



The home screen is the main page:

- Guest can access every part of the app from this screen

Rides User Interface Mockup

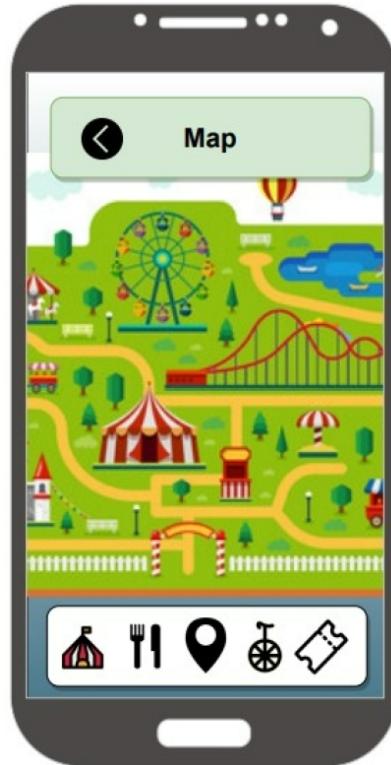


Selecting a ride will navigate you to where it is located on the interactive map.

Food User Interface Mockup



Map User Interface Mockup



Shows User Interface Mockup



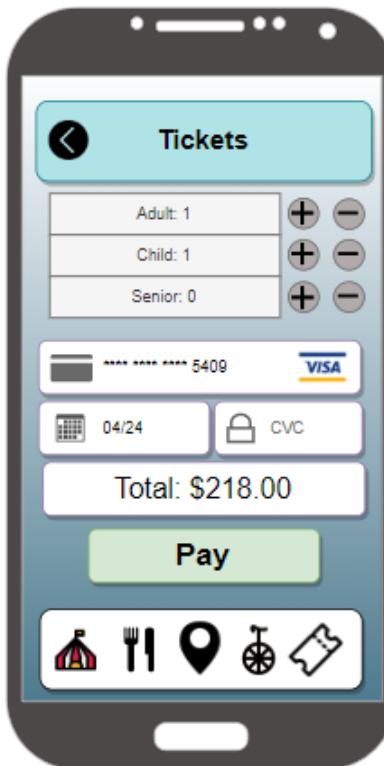
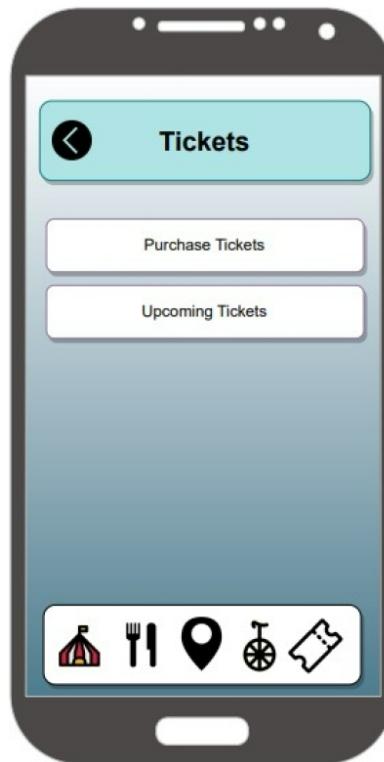
The Shows screen will allow guests to view the shows available throughout the park

Services User Interface Mockup

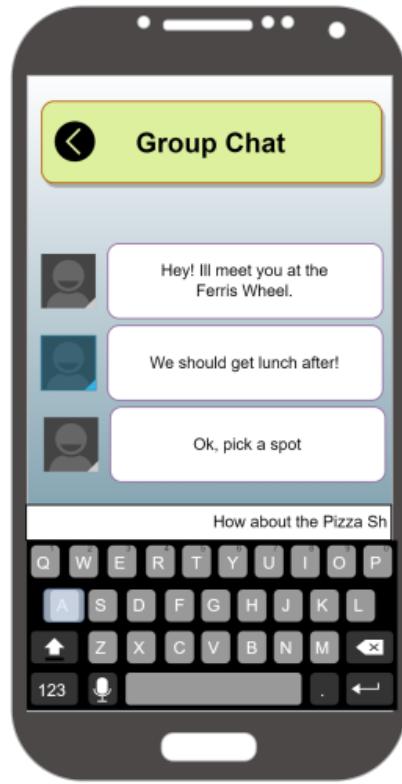


Selecting a service will allow you to write a request that can be seen and responded to by park staff.

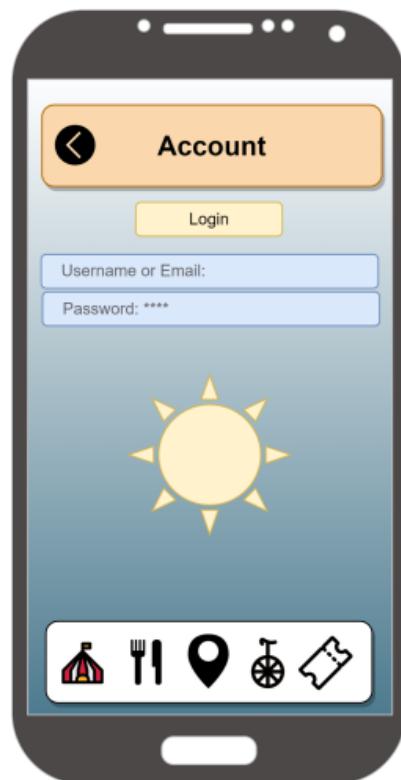
Tickets User Interface Mockup



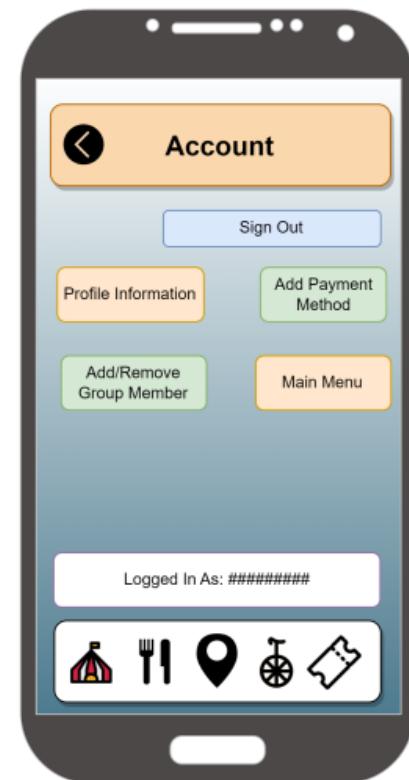
Group Chat Interface Mockup



Guest/Staff Account User Interface Mockup



The Account Screen will allow User of the app to access their Account information



Account -> Add/Remove Group Member



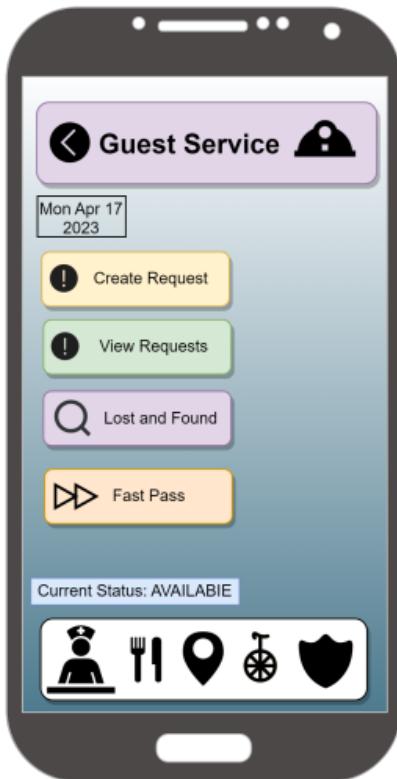
Selecting a specific group member will navigate to where they are on the interactive map.
Selecting their name specifically will allow you to rename their profile.

Staff Side

Here are the changes to how staff can benefit from the app.



Staff Services Interface



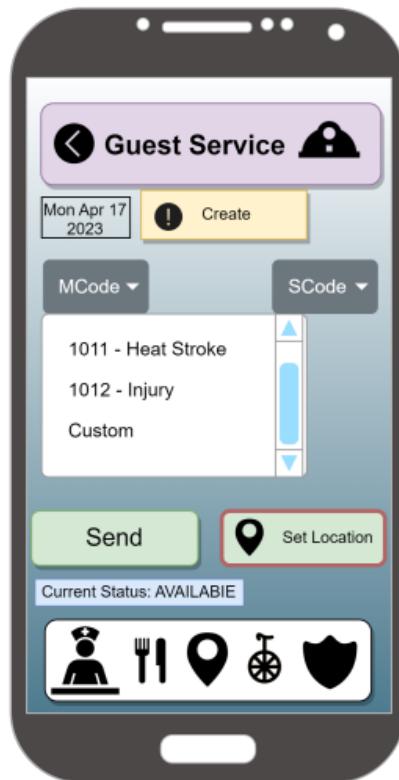
Create Request - Guest Requesting Service

View Requests - See all requests sent

Lost and Found - View Lost and Found Inventory

Fast Pass - Assist with Fast Pass

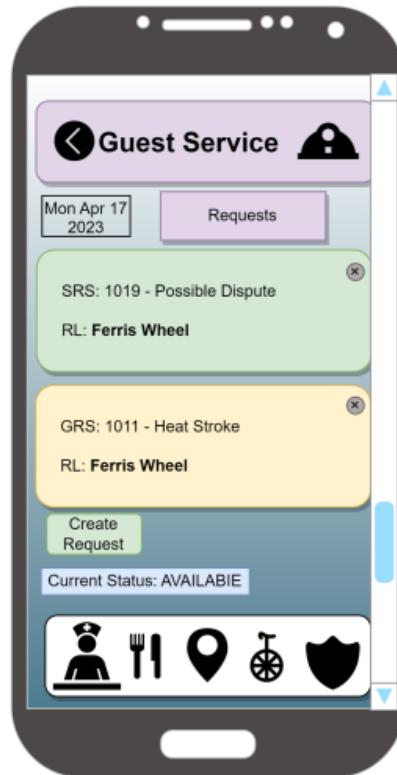
Staff Services Interface -> Create Request



MCode - Medical Staff Code List
SCode - Security Staff Code List

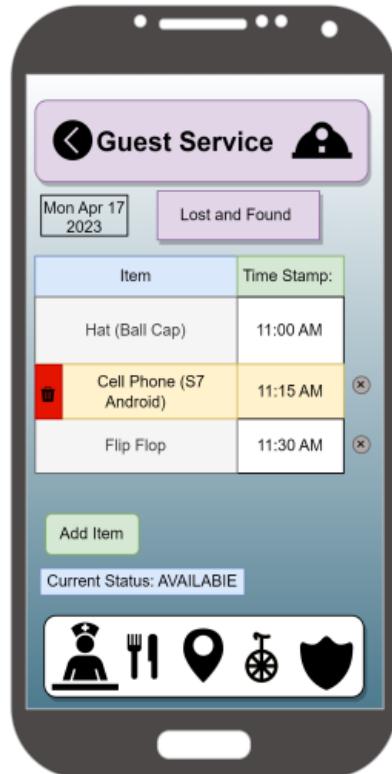
Add Location

Staff Services Interface -> Manage Requests



Dispatch Screen for Guest Services

Staff Services Interface -> Lost and Found



Centralized lost and found list so guest services can easier address guests with lost items.

Staff Services Interface -> Fast Pass



Select Ride

Scan Ticket to generate
pass

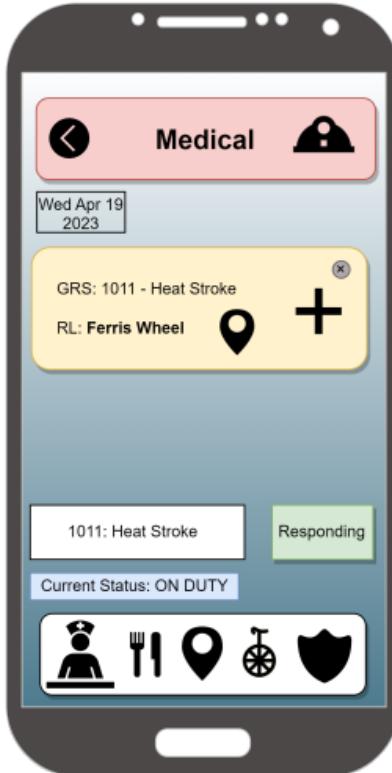
Medical Staff Dispatch Mockup



GRS - Guest Requesting Service
SRS - Staff Requesting Service
RL - Requesting Location

Ten Code Dictionary
Status

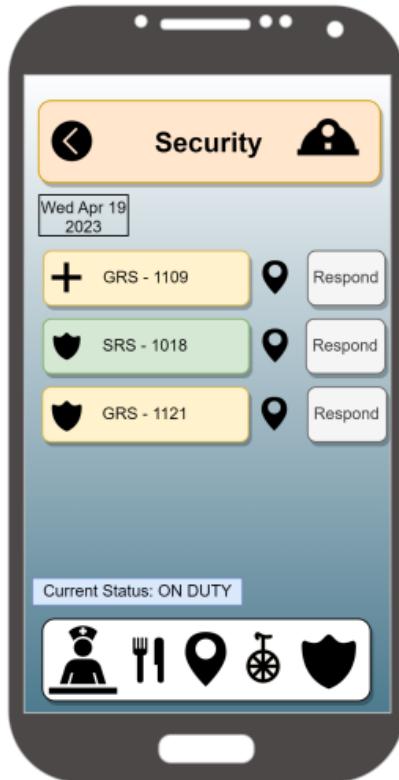
Staff Services Interface Medical



GRS - Guest Requesting Service
RL - Requesting Location

Ten Code Dictionary
Confirmed Responding Status
Work Status

Staff Services Interface Security



SRS - Staff Requesting Service

GRS - Guest Requesting Service

Green alerts where initiated by guest services

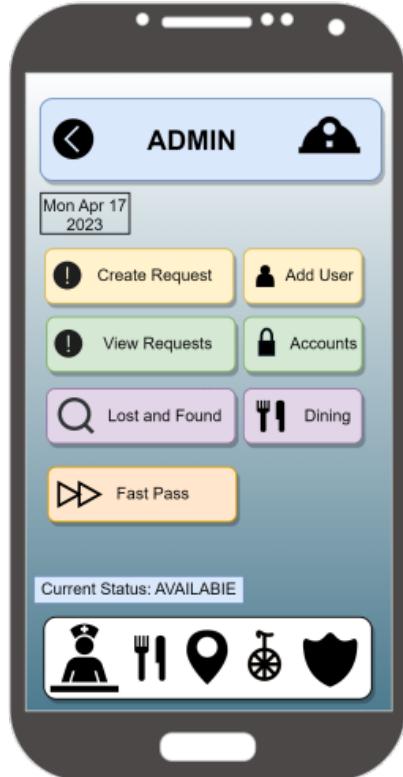
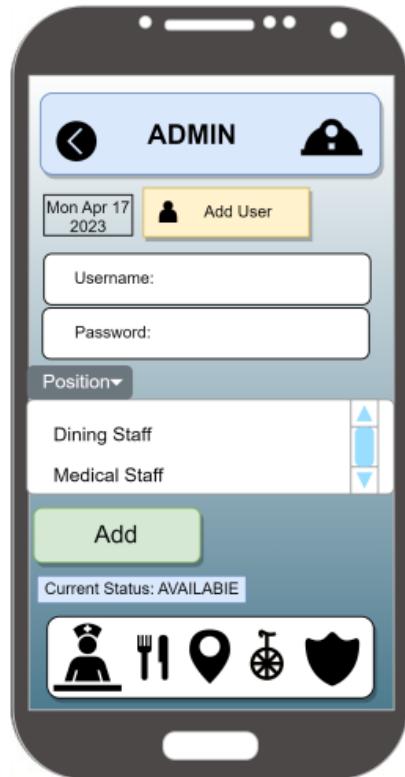
Staff Services Interface Security



SRS - Staff Requesting Service
RL - Requesting Location

Ten Code Dictionary
Status

Admin Interface Mockup



Add Users

Manage Accounts

View Dining Board

Food Staff Interface Mockup



Food Staff order screen allows staff to see the orders being made

Food Staff Interface Mockup



Guest Dining Reservations List

Questions

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