

**GitHub Username:** JarvisMcFace

## Description

Our team at Bluegreen has provided professional carpet cleaning in Madison, WI for over 25 years. We have made it our mission to simplify your life by beautifying and preserving your indoor environments. Residential Carpet Cleaning team of IICRC certified carpet cleaning technicians have been trained in professionalism, as well as our excellent cleaning process. Our residential services include: carpet cleaning, tile & grout cleaning, upholstery cleaning, wood floor cleaning, and wood floor renewing. Our commercial services include: carpet cleaning, tile & grout cleaning, tile & grout protection, marble polishing, vinyl flooring, and oriental rug washing.

If you are looking for premier carpet cleaning in Madison, WI then look no further than Bluegreen. Our goal is to become Wisconsin's premier floor care company by creating a reputation of respect and trust with our team, our partners, and our clients.

## Intended User

Customers who are seeking information about BlueGreen Floor Care, contact information and floor care estimates in the Madison WI area.

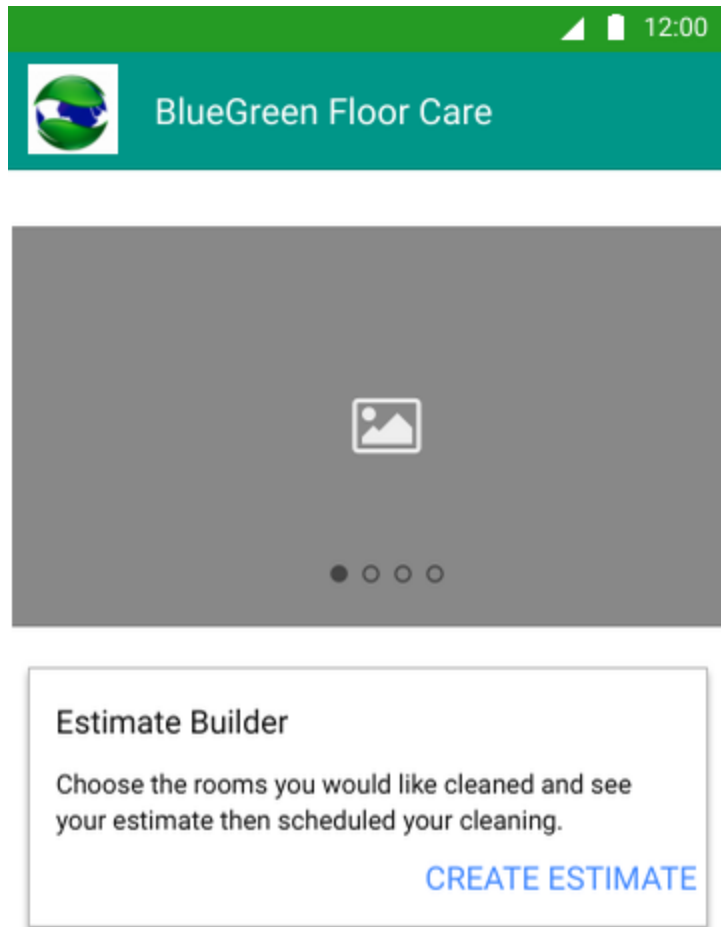
## Features

- Floor Care Estimator
  - Bedroom
  - Kitchen
  - Living
- Submit Estimate Quote

## User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

## Screen 1



Screen will provide static content through a viewpager on what services BlueGreen offers. The Option to create an estimate will open screen two

Screen 2

Capstone\_Stage1

12:00

< Estimate Builder

How can we serve you?

☒ Carpet ☐ Tile & Grout

☐ Upholstery ☐ Wood Floor

Rooms to clean

Living Room  
StairwayLanding  
Dining

MODIFY

Residential  
John Smith  
1010 N Main Street  
Madison, WI 53701

MODIFY

CONTINUE

Screen will initially start out with the checkbox options to choose what service is intended for the quote. Tapping on the Carpet checkbox will open a Modal Popup to choose what rooms are needed in the quote

### Carpet to Clean

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- ☐ Living Room
- ☐ Dining Room
- ☐ Den/Office
- ☐ Bedroom - Master
- ☐ Bedroom 2
- ☐ Family/Great
- ☐ Recreation Room
- ☐ Stairway Landing
- ☐ Hallway
- ☐ Additional Room 1
- ☐ Additional Room 2

Screen 3 - Modal popup for rooms

Choosing the checkboxes and pressing a SAVE button will navigate back to Screen two, where a summary of rooms will be shown.


Screen 4 - Address Screen modal

Will allow for input of address

Screen 5 - Estimate builder Screen

12:00

< Estimate Builder



Estimated Price Range

**\$122.40 - \$149.60**

Estimated carpet square feet 160 sq ft

Living Room

Length

 X 

Width

Est. Price

Options

☐ Move Furniture ☐ Carpet Protector

Dining Room

10

 X 

10

\$40.00

Options

☐ Move Furniture ☐ Carpet Protector

Stairway

Number of stairs

\$40.00

Options

[SUBMIT QUOTE](#)

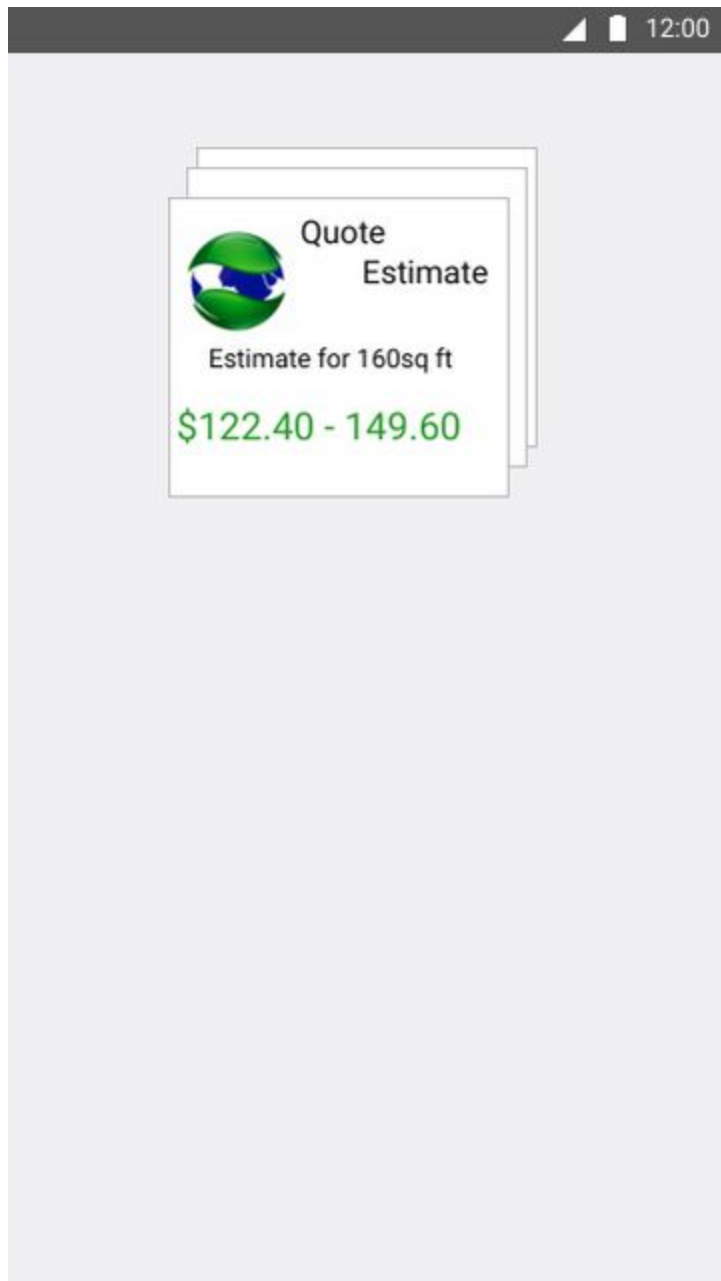
Will allow input for each room providing an estimated price and option to submit the quote.

Screen 6 - Address Entry

 12:00

  
GOOGLE MAPS - GPS FIND Location

## Screen 7 - Widget



Quotes will be saved on app exit until quote is saved

Describe any libraries you'll be using and share your reasoning for including them.

OkHttp to get configuration file for quotes

GLIDE for images

Describe how you will implement Google Play Services.

Describe which Google Play Services you will use and how.

Google Maps - show location of carpet cleaning  
Firebase Analytics

### Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

#### Task 1: Project Setup

Add library  
Add project to Firebase and generate json  
Obtain API key for Google maps  
Determine min sdk

#### Task 2: Implement UI for Each Activity and Fragment

##### HomeActivity

- Setup Viewpager with images
- Setup Content Provider to save to local device
- Configure Firebase
- Create CardView for Quote
- Left navigation for options and previous quotes

##### Estimate Builder Activity

- Fragment - Modal popup- to choose what room should be clean
- CardView to view what Rooms and option to modify rooms
- CardView to review Address

##### EstimateBuilderRoomDetailsActivity

- Card View for each room with estimated price calculation

##### AddressInputActivity -



Collect Address information

Review Screen

- Review Quote before submission

Task 3: Your Next Task

Google Play Services (Google Maps, Analytics

Form input validation

Calculations for Quote

Content Provider Setup

Handle network errors

Task 4: Your Next Task

- Create Modal layout
- Create CardView
- Create CardView for different rooms quote
- Google Maps GPS StreetView lookup
- Form Flow, handle back press
- Quote review

Task 5: Async Task to pull quote prices

- Store quote prices on a configuration server to allow price changes
- Pull updated prices at app launch

**Capstone\_Stage1.pdf**