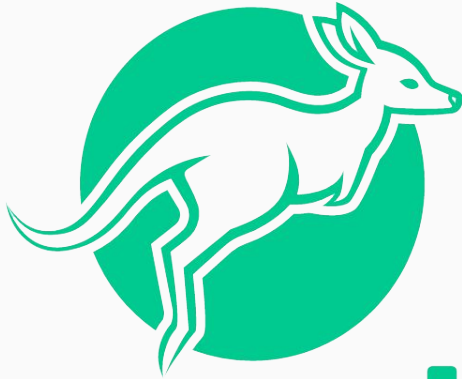




Roo.io: Repairs Application

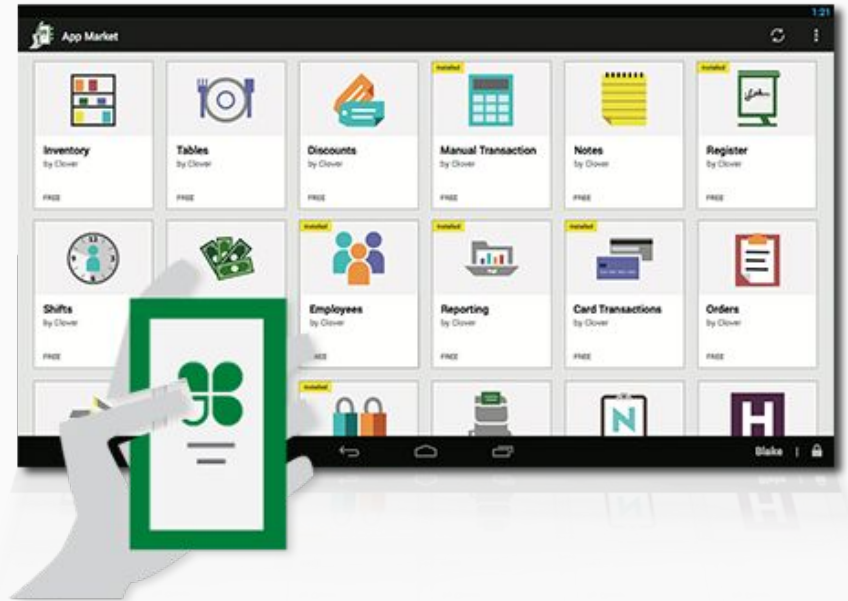
Logan Lawson ♦ Karla Sunjara ♦ Luke Reckard ♦ Yusuf Bahadur ♦ Jessica Chang

Overview



Roopairs

Solution



Connect your account

Click the button below to connect your Roopairs account to start
requesting on-demand service

Connect Account

Repairs

Choose Service Location

CHOOSE A SERVICE LOCATION

872 Higuera St, San Luis Obispo, CA 93401



+ Add Another Service Location



Service Location

ADDRESS

1 Grand Ave, San Luis Obispo, CA 93401

Add Location

Repairs



Preferred Providers



Preferred Service Providers



Klaus and Sons



Master Appliance Repair



+ Add Another Service Provider



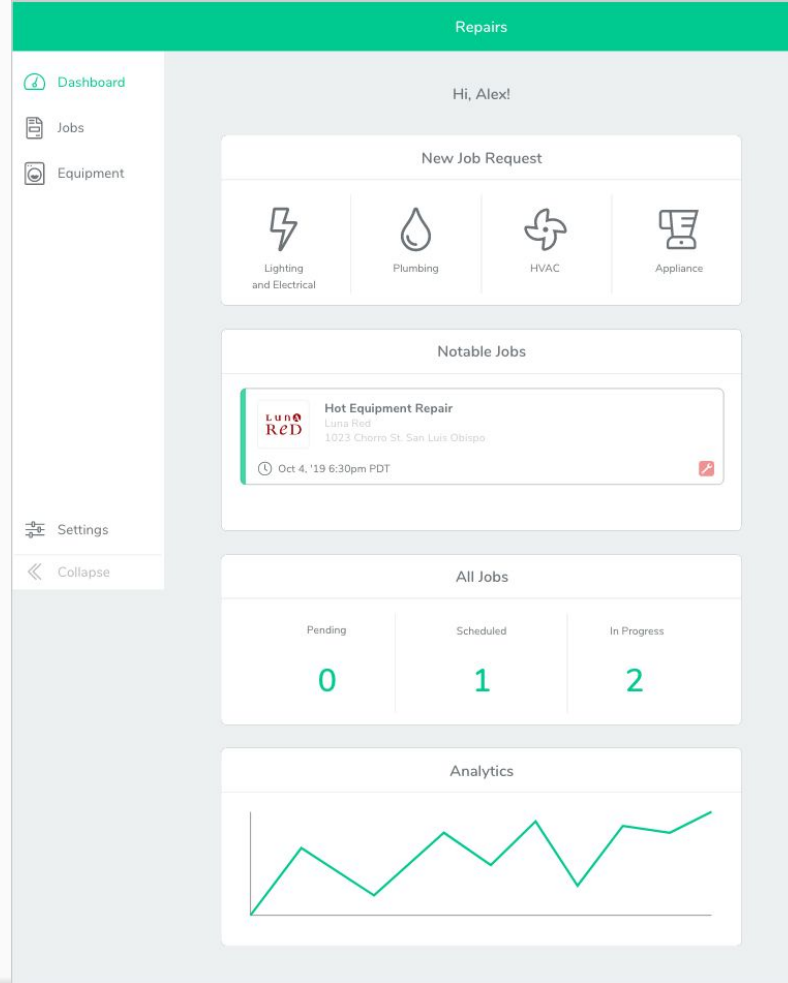
Add Service Provider

Enter the phone number of one of your preferred service providers to start requesting service from them.

PHONE NUMBER

(310) 555-0139

Add Provider



Horizontal Prototype - Dashboard

Repairs

<

Choose Equipment

Search Equipment...

General Plumbing (No Appliance)

BASEMENT

Water Heater

▼

Repairs


<

Choose a Service Provider

Search Service Providers

Preferred

Network


\$32.75 / hour
starting cost

Klaus and Sons

Hot Equipment, Plumbing,
Lighting and Electrical

872 HIGUERA ST, SAN LUIS
OBISPO, CA 93401



1023 Chorro St, San Luis Obispo

SERVICE TYPE

Repair

WHAT HAPPENED?

All of our lights won't turn on.

WHEN DO YOU NEED IT FIXED?

Month / Day

AM / PM

WHO SHOULD THEY ASK FOR?

Bob

WHAT'S BOB'S PHONE NUMBER?

(310) 555-0213

Send Request

Water Heater

[Click to view equipment information.](#)

Repairs



[View Completed Jobs](#)

Pending

No pending jobs.

Scheduled

PAST DUE



Plumbing Repair

Luna Red
1023 Chorro St. San Luis Obispo

🕒 Oct 3, '19 5:00pm PDT



In Progress

PAUSED



Cold Equipment Repair

Luna Red
1023 Chorro St. San Luis Obispo

🕒 Oct 3, '19 5:00pm PDT



ACTIVE

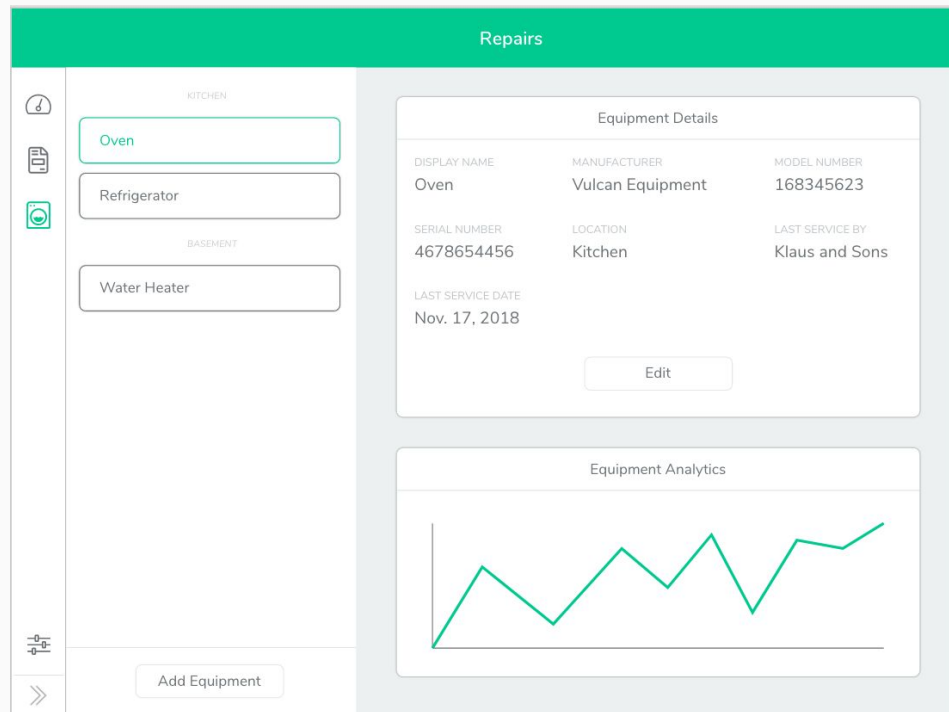
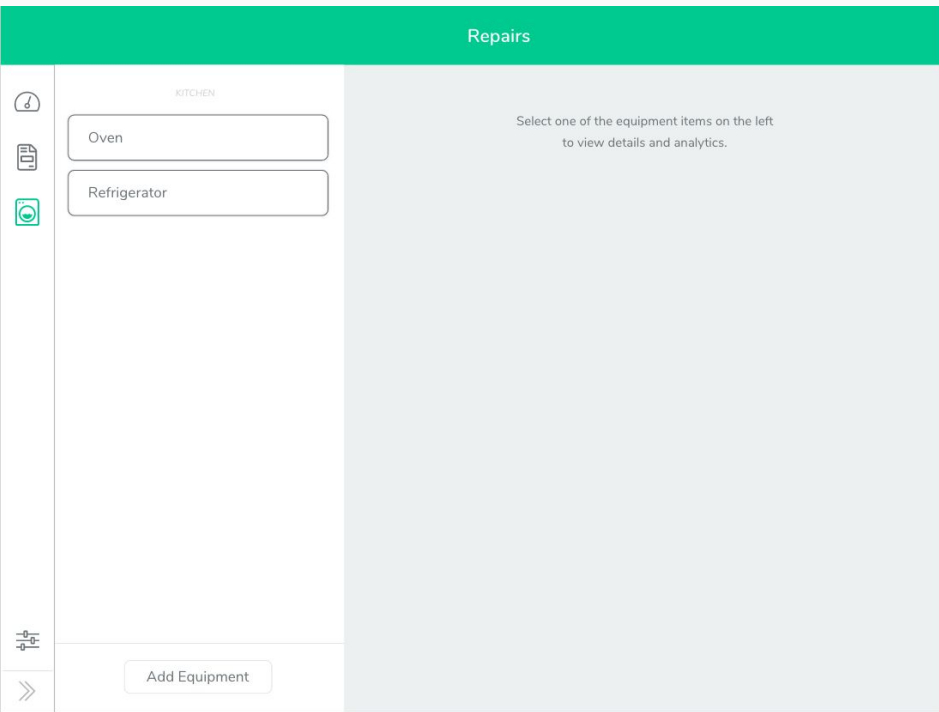


Hot Equipment Repair

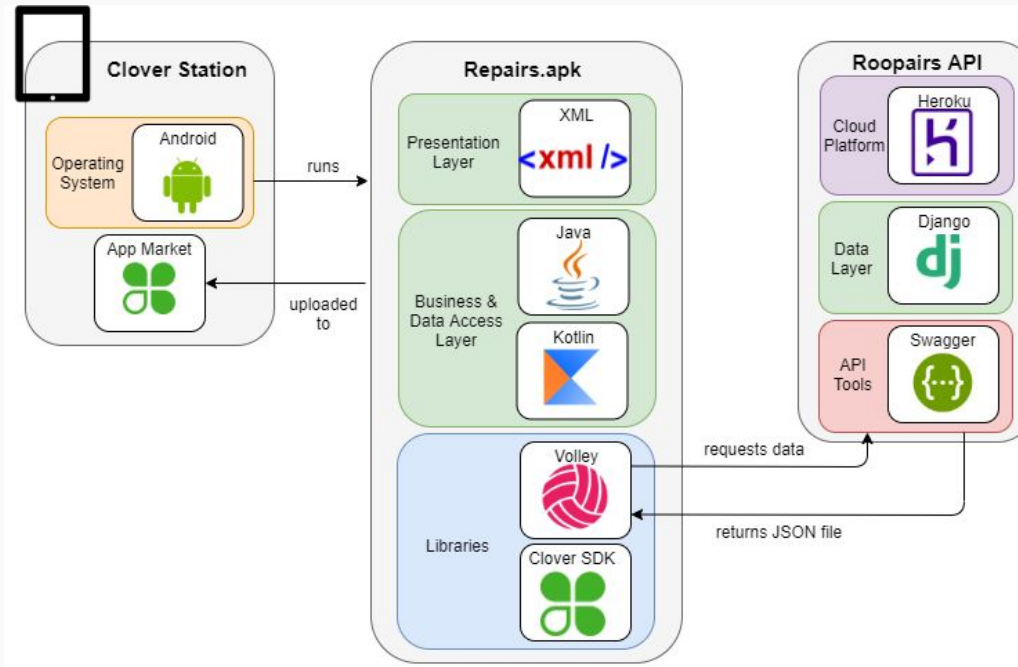
Luna Red
1023 Chorro St. San Luis Obispo

🕒 Oct 4, '19 6:37pm PDT

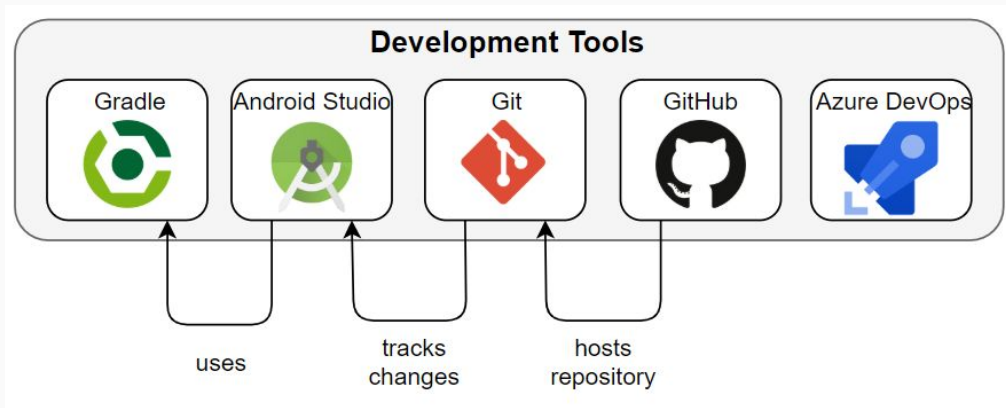




Software Architecture



Continuous Integration



Azure DevOps

CPSECapstone / Rooio / Pipelines / Builds / Repairs Application - CI / #20191201.3

Search

Rooio

Overview

Boards

Pipelines

Builds

Releases

Library

Task groups

Deployment groups

Test Plans

Project settings

#20191201.3: Reverting build script

Release

Artifacts

Triggered yesterday at 2:31 pm for Ireckard CPSECapstone/Rooio master 71e7792 Retained by release

Logs

Summary

Tests

Code Coverage

Summary

1 Run(s) Completed (1 Passed, 0 Failed)

6

Total tests

+6

6 Passed

0 Failed

0 Others

100%

Pass percentage

↑ 100%

106ms

Run duration

↑ +106ms

0

Tests not reported

Bug

Link

Test run

Column Options

Filter by test or run name

Tags

Test file

Owner

Outcome: Aborted (+1)

Hooray! There are no test failures.

Change the test outcome filter to view tests relevant to you.

Azure DevOps Test Run

R

Rooio

+

Overview

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CPSECapstone / Rooio / Pipelines / Builds / Repairs Application - CI / #20191201.3

Search

LR

✓

#20191201.3: Reverting build script

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Logs

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Summary

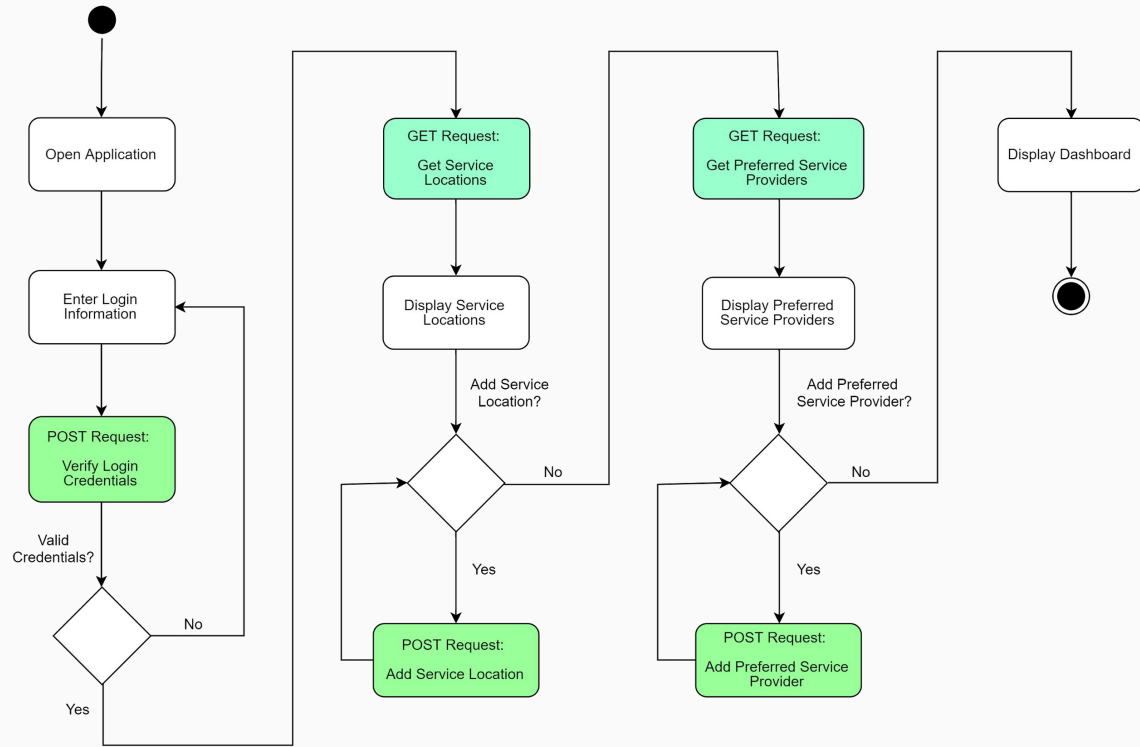
Generated on:	12/1/19 - 10:32:58 PM
Parser:	JaCoCoParser
Assemblies:	1
Classes:	2
Files:	2
Covered lines:	15
Uncovered lines:	82
Coverable lines:	97
Total lines:	0
Line coverage:	15.4% (15 of 97)
Covered branches:	7
Total branches:	30
Branch coverage:	23.3% (7 of 30)

Coverage

Name	Covered	Uncovered	Coverable	Total	Line coverage	Branch coverage
com/rooio/repairs	15	82	97	0	15.4% <div></div>	23.3% <div></div>
com/rooio/repairs/Login	15	47	62	0	24.1% <div></div>	35% <div></div>
com/rooio/repairs/MainActivity	0	35	35	0	0% <div></div>	0% <div></div>

Generated by: ReportGenerator 4.3.2.0
12/1/19 - 10:32:58 PM
GitHub | www.palimmedia.de

Vertical Prototype: *Activity Diagram*



Vertical Prototype:

Demo Time!

Cost Proposal

Development Support

- Azure Pipelines - **Free**
 - 1 hosted job w/ 1,800 minutes per month for CI/CD
 - **\$15/mo** if we need more than 1,800 minutes
- Clover
 - Development Account - **Free**
 - Publishing to App Market - **Free**
 - Clover Station Development Kit - **\$680 (Optional)**

Cost Proposal

Production Projections - Heroku

- Web dyno

Hobby	10 process types	\$7/dyno/mo
Standard 1x	Unlimited number of process types	\$25/dyno/mo

- Postgres

Basic	10M rows	\$9/mo
Standard 0	4GB RAM 64 GB Storage 120 connections	\$50/mo
Standard 2	8GB RAM 256 GB storage 400 connections	\$200/mo

Reflection

Things that went well:

- Planning ahead
- Communicating with our customers
- Teamwork

Things that went poorly:

- Clover Emulator/SDK is a pain
- Planning team meetings

Questions?