SMART/RG®
forward thinking

SmartNetwork

Team:
Marvin Shu
Stefana Gloginic
Krassimir Djonev
Angel Rivera
Hernan Duran

Problem

- Setting up router in optimal location is hard
- If ISP technician sets it up poorly, they have to go back and reconfigure
- This costs a lot of money and time

Solution

- Android app that aids technician in setting up router
- Generate heatmap using network statistics collected from SmartRG router
- Technician can use heatmap as well as other metrics to place router in optimal location

Features

Speed Test
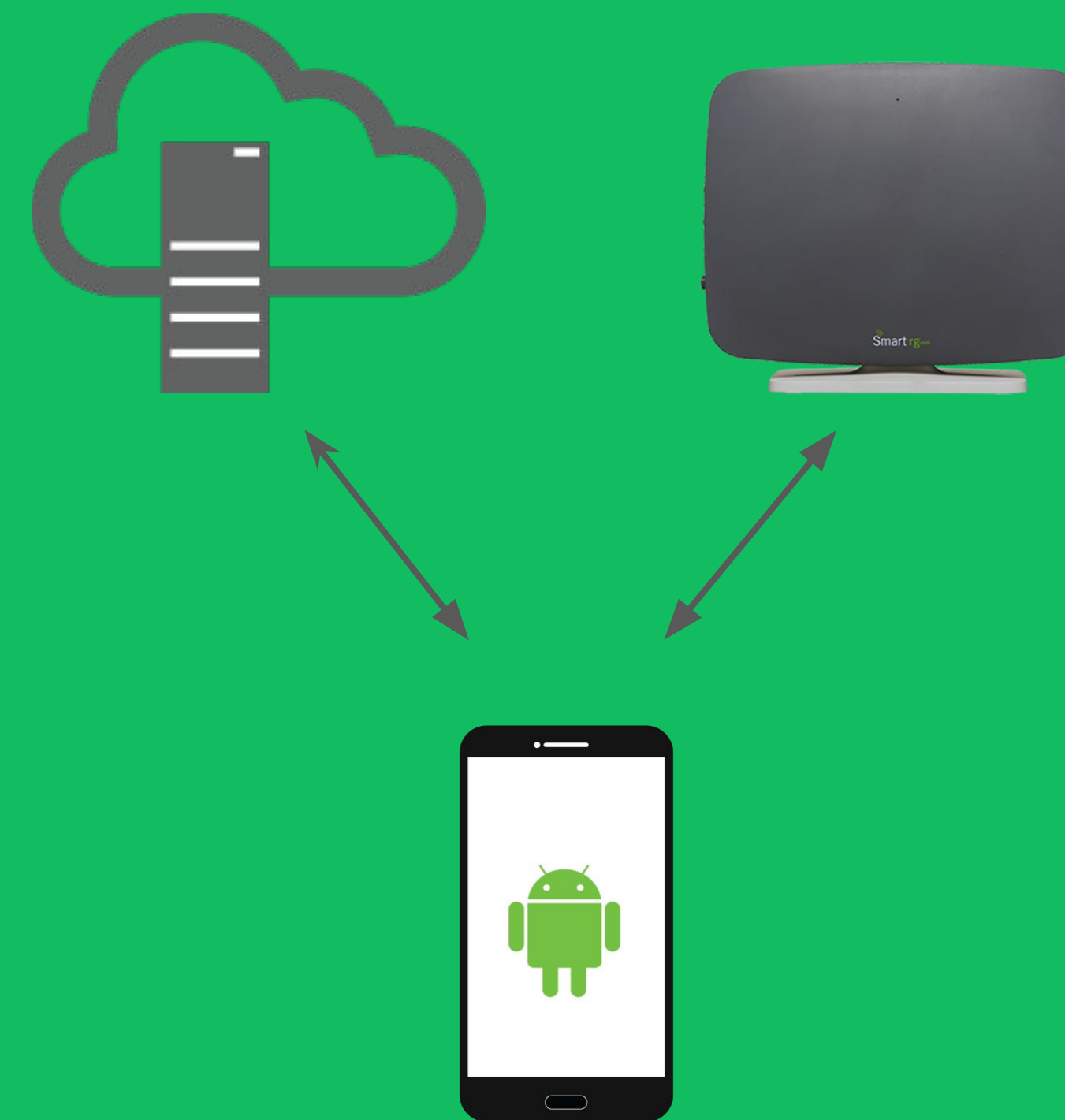Discover the exact speed of the WiFi connection at a specific location

Heatmaps
Generate wifi heatmaps of network connectivity in residences

Video Stream Analyzer
Check the video quality at any location.

Design

UC SANTA BARBARA
engineering

mongoDB