Project Stark

Project Documentation

# Revision History

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| --- | --- | --- |
| Revision | Release Date | Comments |
| 0.0 | 11/07/2014 | Initial Release |

Table of Contents

[1 Background 4](#_Toc403155451)

[2 Deliverables 4](#_Toc403155452)

[3 Acronyms 4](#_Toc403155453)

[4 System Architecture Overview 4](#_Toc403155454)

[Build Environment 4](#_Toc403155455)

[5 Design Decisions 4](#_Toc403155456)

[5.1 Webpage Front End 4](#_Toc403155457)

[5.2 Database Back End 4](#_Toc403155458)

# Background

Each year, world-wide adoption of 4G LTE networks continues to grow. As nations upgrade their cellular networks, the rate of smartphone adoption will increase. To meet this demand, cellphone manufactures will provide multiple variants for each region. However, certain cellphones will work within multiple regions. Project Stark seeks to create a simple user interface that allows consumers to see which regions of the world their phones will work in. This is accomplished by looking at the supported frequency bands for each phone and comparing to the supported frequency bands of the nations’ carriers.

# Deliverables

* The User shall be able to input the phone brand into the “Brand” field.
* The User shall be able to input the phone make into the “Make” field.
* The User shall be able to input the phone model into the “Model” field.
* The User shall be able to send the query upon clicking the arrow button.
* The query shall be sent to the database.
* The database shall look up the frequency bands of the queried phone.
* The database shall compare the phone’s frequency bands with that of all supported carriers.
* The database shall respond with a list of countries, supported carriers, and supported bands.
* The webpage shall accept the response from the database
* The webpage shall display each country in the response.
* The webpage shall display which standards are supported in each country.
* The webpage shall wait for the next query.

# Acronyms

# Build Environment

The following section will cover the necessary software to build the database and webpage front end for Project Stark.

## GitHub

1. Create an account and download the GitHub client from: <https://github.com/>
2. Go to: <https://github.com/johnsabilla/phoneStatus>
3. On the right hand side, click on “Clone Repository”

# Design Decisions

The following will explain the major design decisions in regards to the webpage’s front end and the database back end design.

## Webpage Front End

[Insert something about interface design decisions]

## Database Back End

[Insert something about database design decisions]