

A decorative network diagram in the top-left corner, featuring a complex web of interconnected nodes and lines. Some nodes are highlighted with blue circles, and others with blue dots. The lines are thin and grey, creating a mesh-like structure.

# The Link

**By: Joseph Bello, Jaskirat Josan, Onisokien Ayonoadu, Samuel Iregbu**

A decorative network diagram in the bottom-right corner, similar to the one in the top-left. It shows a network of nodes and lines, with some nodes highlighted by blue circles and others by blue dots.

# Team BEEJ

## Creators of The Link



**Joseph Bello**  
Backend & Database



**Jaskirat Josan**  
Design & Documentation



**Samuel Iregbu**  
Design & Frontend



**Onisokien Ayonoadu**  
Frontend & Backend

# Project Intro





# 1. Problem Definition

“

*Not one streamlined  
method for citizens to  
report a problem in  
their city.*



# Currently three known methods to report a problem

- ◎ Call City of Regina contact center
- ◎ Online Service request Form
- ◎ Contact through social media



# The City of Regina Receives

**585**

Calls Per day

**50**

Online Service Requests

**Multiple**

Social Media Requests

A decorative graphic in the top-left corner consisting of a network of interconnected nodes and lines, resembling a molecular or social network structure, rendered in light blue and grey tones.

## Problems Identified

- ⊙ Long wait times
- ⊙ Searching and filling out form can be tedious
- ⊙ Not everyone has social media
- ⊙ Various activities on City of Regina's various social media pages
- ⊙ Citizens cannot keep track of the problems in the city and the status of their own reports



# Problem Definition

“

*Not one streamlined  
method for citizens to  
report a problem in  
their city.*



# How *The Link* can help

- ◎ Everyone can be aware of problems in the city.
- ◎ Admin can decide whether reports are legitimate.
- ◎ Citizens can track progress of their report.



A decorative graphic in the top-left corner consisting of a network of interconnected nodes and lines, rendered in light gray and blue tones.

## 2. Technology

A blue double quote icon enclosed within a dashed circular border.

“

*Multiple technologies  
were used for a  
seamless collaborative  
experience.*

# Technology Utilized

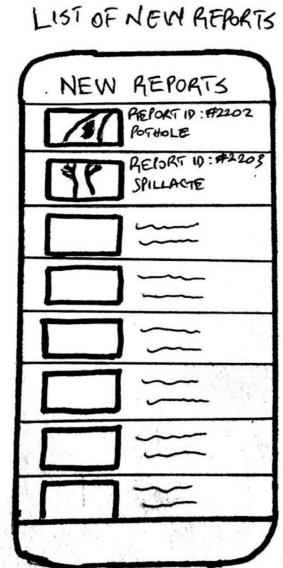
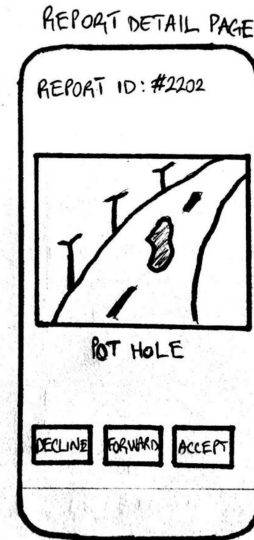
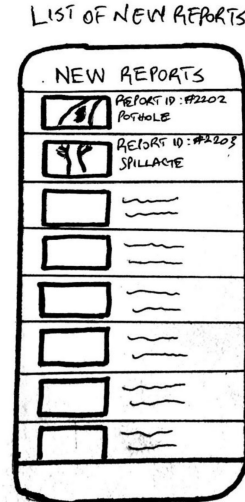
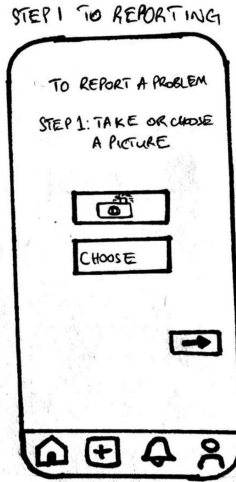
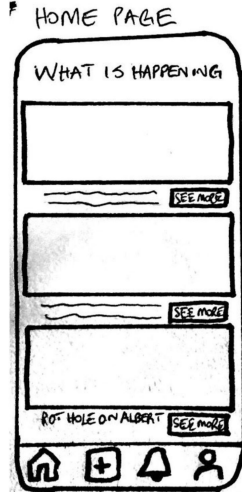
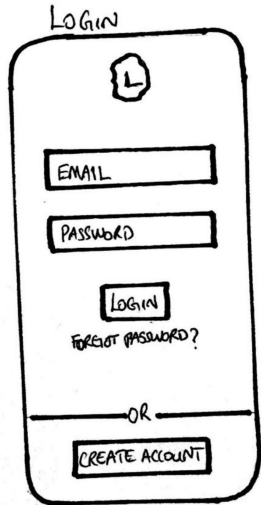
- ◎ **GitHub**
- ◎ **Wireframes: Adobe XD**
- ◎ **Backend: Google Firebase**
  - **Pre-built user authentication**
  - **Firestore real time database**
  - **Storage**
- ◎ **Front-end Framework: React JS**

# 3. Design & Implementation


“

- Everyone designed their own lofi's
- Choose the best features
- Create a final lofi

# Low-fidelity Wireframe



# High-Fidelity Wireframe




The Link

Login


Forgot Password?

OR


Create an account




The Link




Report #2202: Sinkhole on Albert intersection  
more...



Report #2200: Water leak on Rose street  
more...



Home Add Notifications Profile




The Link

To report a problem

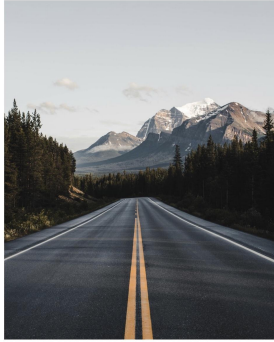
Take a picture or choose from library

IMG\_2021.jpg

< >



The Link



Keyword: Pothole


Note: There is a pothole along the ring road south, and it already caused an accident.

Location: Ring Road South, Regina, SK.

Recipient: Ministry of Highway

Submit


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The Link

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Report ID: #2020

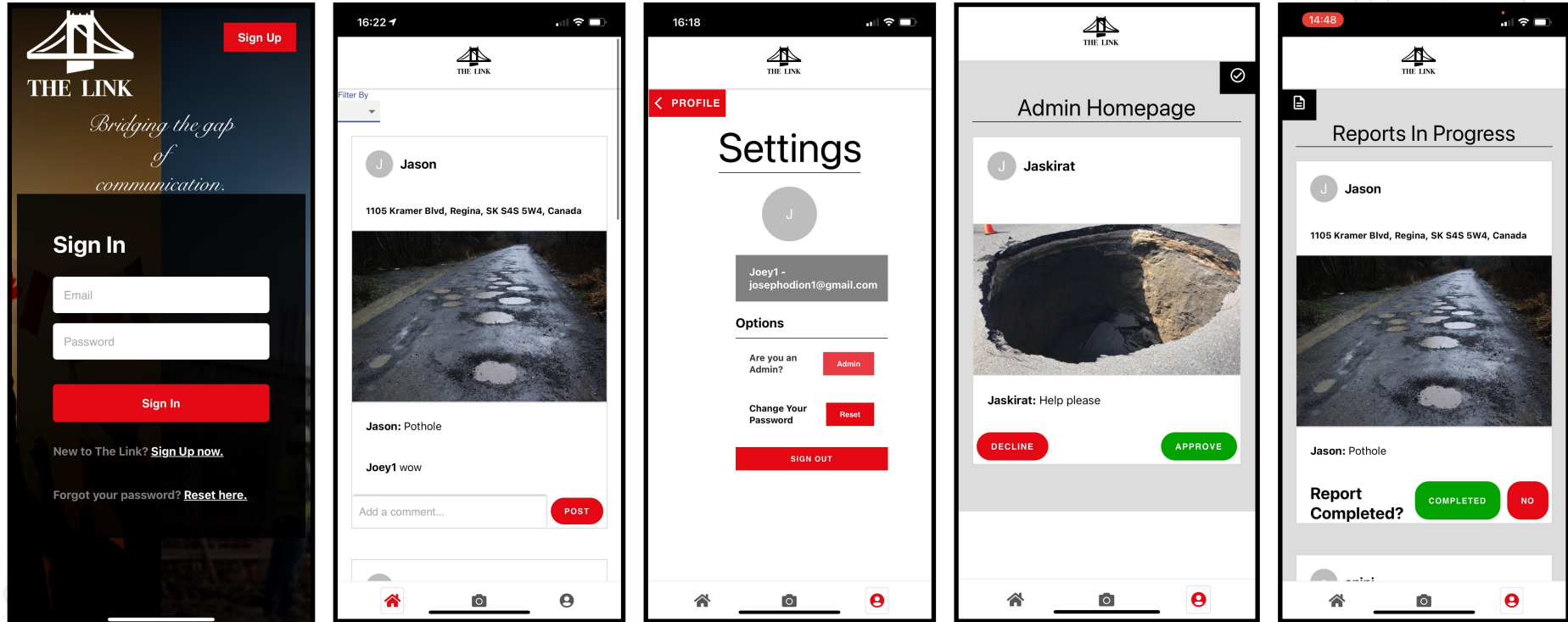


Pot Hole on Rose Street

Decline Forward Accept

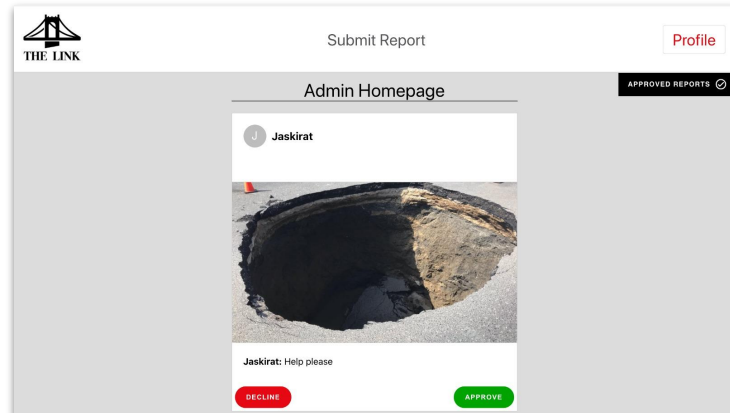
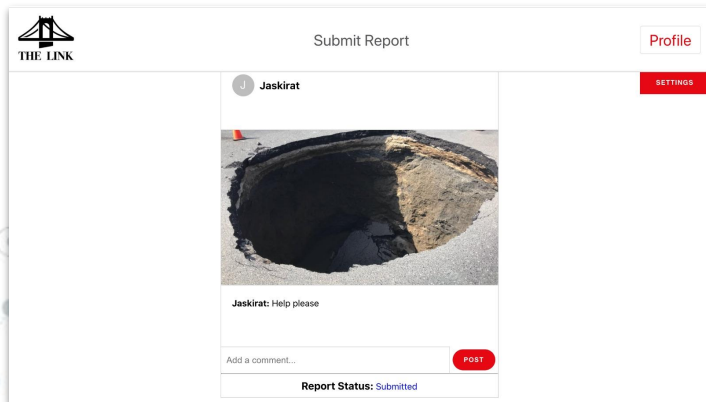
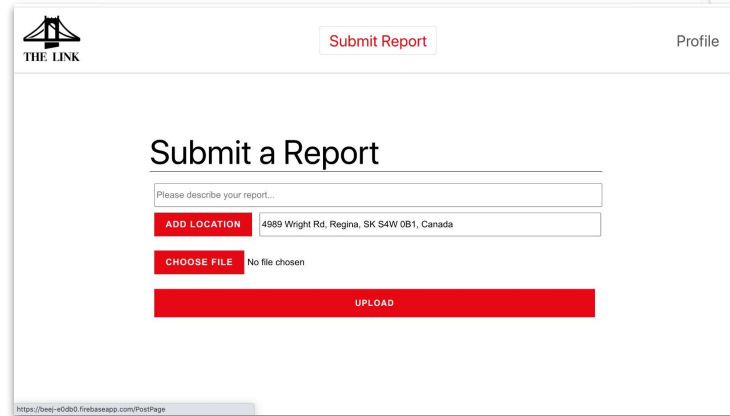
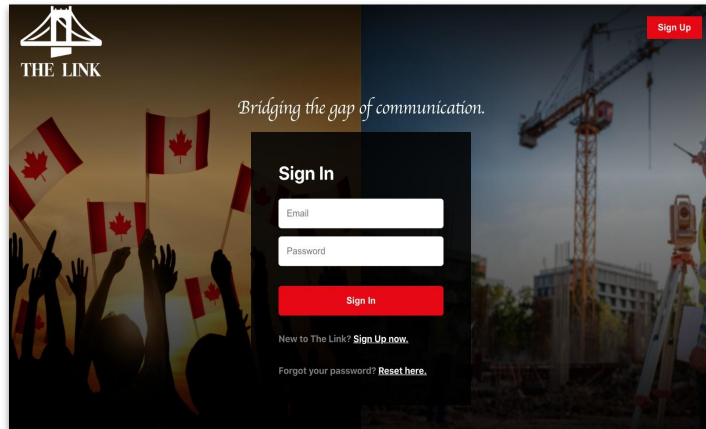
Home Document Check

# Our Current Application on Mobile





# Our Current Application on Desktop





A decorative network diagram in the top-left corner, consisting of a series of interconnected nodes and lines, some of which are highlighted in blue.

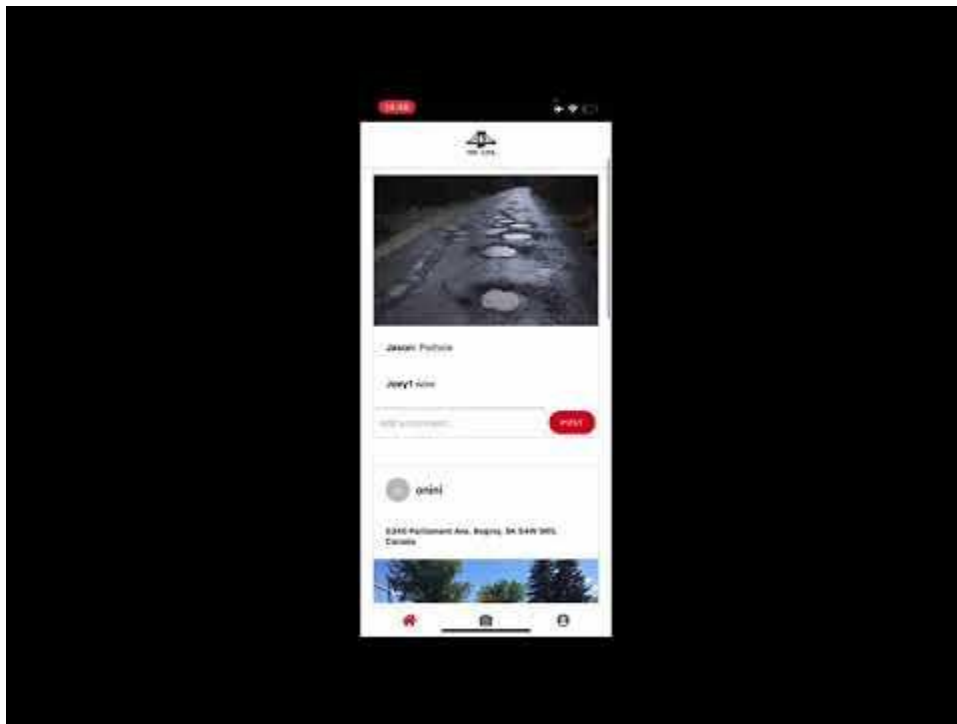
# 4. Demonstration

A circular icon containing a blue double quote symbol, indicating a quote or a key point.

“

*Detailed demonstration  
of The Link*

# Demonstration



A decorative network diagram in the top-left corner, consisting of a series of interconnected nodes and lines, some of which are highlighted in blue.

# 5. Future Development

A blue double quote icon inside a dashed circle.

“

*Upcoming Features*

# Future MVP's

## **Push Notifications**

That will alert the users when a report status has been updated.

## **Enlarge scope of app**

By including different ministries that handle reports in the province.

Also branch out to other provinces in Canada.

## **Keyword Feature**

That will be generated when a picture is taken, which will be matched up to the right ministry.

## **Two User Pools**

For each set of users, one for authorities and the other for citizens.

# Conclusion

- ◎ A promising MVP has been delivered
- ◎ A tool that can ease communication in the modern day
- ◎ This tool can be expanded for all of Canada

# Acknowledgements

Thank you to the following professors for guiding us throughout the course of this project.

- ◎ Project Advisor: Timothy Maciag, Ph.D
- ◎ Project Mentor: Craig Gelowitz, Ph.D



**Thank you**

**Any questions?**