



# Kirkwood Water Department Final Project

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# The Purpose of my project

The purpose of my project was to create an app that allows people in the Kirkwood area to report a water main break. The information that the user reports, will be sent for the Kirkwood Water Department Employees to be able to see.

– Pros of my app –

- Increases communication between citizens and Water Department
- Reduces the amount time it would usually take to report a Break
- Quick and easy to use compared to talking to a Water Department Employee

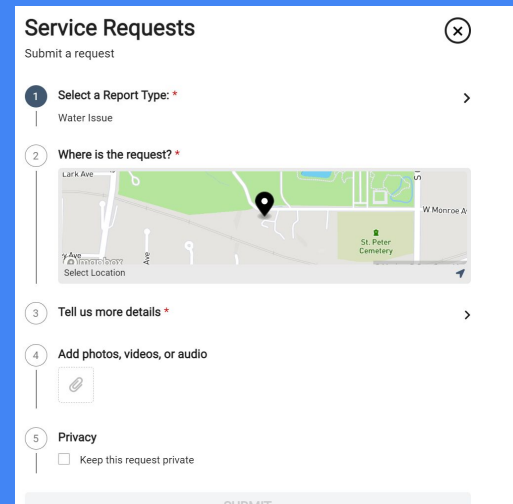
# What is a water main break?

A water main break is when a water pipe, or fire hydrant bursts.



# Some Similar apps

This is the official Kirkwood water department website that allows residents to report all kinds of problems within kirkwood. The difference between my app and this one, is that the official Kirkwood website does not efficiently and properly send reports of water main breaks to the Kirkwood Water Department. My app solely focuses on the Water department to help solve any confusion.





# Features within my Project

1. **LOGIN SYSTEM:** This is the first thing a user sees upon running the application. They can enter their provided work username and password if they are employees of the City of Kirkwood Water Department. Upon successful login, it will redirect them to the employee's main screen where they can see the information regarding breaks and employees working.
2. **CURRENTLY WORKING EMPLOYEES:** Employees once logged in, can see a list of all the current employees working depending on the current date. Depending on the day the application is ran on, the employees working for that day will change.
3. **CRUD - REPORTING A WATER MAIN BREAK:** If the user clicks the [Report Water Main Break](#) Button it will direct them to the report form in which they can fill out information. They must enter all fields to allow it to be submitted. If any of the fields are left blank an error will appear showing that all fields must be completed. This is so no "fake" or "false" breaks can be reported. Unfilled fields will appear red. User must enter a name and phone for additional contact if the Water Department sees fit.