# Materials Testing App

## Project Summary:

This project is about creating a web app for the works department of Durham Region, to replace the material testing process manually using regular communication methods. The previous system was time-consuming, stressful, and difficult to track records because it was made by phone, email, and in-person appointments. With the new method, they will be able to work in a more efficient, organized, and less stressful way which will be beneficial for Durham Region.

## Project Goals:

Our goal is to make a well-designed and functional web app with a database connection, that will make all the work process flow efficiently and intuitive. Also, during the process have real-life experiences collaborating with multiple teams and the client.

## Methods:

We are looking at every issue as a learning opportunity. Also, we keep constant contact with the client and the teams that work on the project through weekly meetings and emails, to make sure to attend to all the client's needs, the project goals, and to talk about all the issues that we are facing so we can overcome them.

## Outcomes:

A functional web app that is responsive between different mobile devices and that is compliant with web accessibility standards. Relational Database to store data for future implementations and role-based access.

## Why is this important?:

The web app will facilitate the material testing process with a cloud-based system. This will also improve the lives of the residents of the region. By improving the service at the department they will be able to respond to more requests, to accomplish tasks in more areas in less time and more. The region could go for additional features to improve the user experience, and also develop web apps for other departments too.