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# PROJECT OVERVIEW

## PROJECT TOPIC – HELPING THE HOMELESS

The problem being solved is the lack of resources that people struggling with homelessness have. The solution that will be designed and developed is to create an application which will allow users to find the best emergency shelter for them for the night, as well as the closest emergency cooling center. These solutions will be based on historical shelter occupancy data, historical weather data, location, user type and cooling center information. Searching, sorting, and graph algorithms will be implemented to reach a solution as well as testing and verification by comparing program output to expected results derived from specific mathematical calculations.

Below are the members assigned to this project, their GitHub username, and key roles for the project.

Samuel Crawford (crawfs1), samm82	Log Admin
Joshua Guinness (guinnessj), joshuaguinness	Project Leader
Hassan Jasim (jasima), HassanJasim	Lead UI Developer, Lead Tester
Nicholas Mari (marin), Mari-Nicholas	Lead Developer

## PROJECT OBJECTIVES

The project objectives are listed below:

- Application finds best emergency shelter based on the factors listed above.
- Application finds closest emergency cooling centre based on user location.
- Application provides basic information about the emergency shelters and cooling centers presented to the user e.g. address, hours, name.
- Application use is clear and requires minimal explanation.
- Application runs quickly and does not take very long to come to a conclusion.

## PROJECT PLAN

Each group member will work on their assigned position, as well as lend assistance where else needed. All group members will contribute to the programming of the project. The milestones will be completed in accordance with the project outline both in regard to timing and content.