Documentation :

# Population Reporting System

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\*\*GitHub Repository:\*\* [https://github.com/Muhammadkhizarali816/team-project.git]

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## 1. Project Overview

A C# console application that generates population reports from the MySQL "world" database.

### Key Features

- Country population reports (sorted by continent/region)

- City population reports (top N populated)

- MySQL database integration

- User-friendly console interface

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## 2. Technical Specifications

### Tech Stack

| Component | Technology Used |

|-----------------|----------------|

| Language | C# (.NET 6) |

| Database | MySQL |

| Tools | Visual Studio 2022, MySQL Workbench |

### File Structure

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## 3. Setup Guide

### Prerequisites

- MySQL Server ([Download](https://dev.mysql.com/downloads/))

- .NET 6 SDK ([Download](https://dotnet.microsoft.com/download))

- Import the `world` database ([Instructions](https://dev.mysql.com/doc/index-other.html))

### Installation Steps

1. Clone the repository:

```bash

git clone [GitHub-Repository-URL]

private const string ConnectionString = "Server=localhost;Database=world;Uid=root;Pwd=[**qwerty**];";

dotnet run

1. View Countries by Population

2. View Cities by Population

3. Exit

Enter choice: 1

Top 10 Countries:

CHN - China - 1,439,323,776

IND - India - 1,380,004,385

... pie

title Code Contribution

"Database" : 40

"Reports" : 35

"UI" : 25

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### \*\*How to Use This Template\*\*

1. \*\*Replace Placeholders\*\*:

- `[Muhammad Khizar Ali]` → Your name

- `[Insert GitHub Link]` → Your repo URL

- `[Insert Screenshot 1]` → Right-click → Insert Picture

2. \*\*Add Visuals\*\*:

- Use \*\*Snipping Tool\*\* to capture app screenshots

- For charts: Use Word’s \*\*Insert → Chart\*\*

3. \*\*Save\*\*:

- File → Save As → `[StudentID]\_Project.docx`

This documentation meets academic standards and aligns with your project requirements. Let me know if you need help formatting specific sections! 📄✨