Software Engineering

**Assignment No: 04**

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**BSCS**

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**Submitted to:**

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**System Scenario:**

* **Create use cases and use a case diagram**
* **Create Requirements**
* **Identify risks and strategies to manage and mitigate those risks.**

**USE CASES:**

**Use case: Report**

**Primary actor: User**

**Goal in Context: Report a pothole and any associated damage**

**Precondition: User is logged In**

**Trigger: User encounters a pothole and decides to report it**

**Scenario:**

* **User clicks Report Pothole**
* **The application displays a form with the following info: Location, Severity, Address of pothole**
* **User fills the desired information in the fields**
* **User clicks Next**
* **A prompt is made for Information Gathering**
* **User fills out the information**
* **User pushes Submit**
* **Application stores the information the user entered**
* **Information is Logged on and a damage file is generate**

**Risks:**

* **Users could enter a lot of bad information that would cost a lot to investigate**
* **Users could exaggerate damage**
* **If the system is down so the information could be lost**
* **Too many users**
* **Deadline tightened**
* **Customer can change requirements**