

Department of Computer Sciences

Software Engineering

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Software Requirements

**Descriptive Use Cases of Scenario**

**Use case Title:** Online reporting system of Pothole

**Primary Actor**: User

**Level:** User Goal

**Stake holders:** Users (citizen), department of public works, repair team, system Maintainer

**Pre-condition:** User must have login access.

**Trigger:** User can report online pothole to avoid more damage.

**Success guarantees or post condition:**

1. User looks for “public works department repair system” to report the pothole.

2. The web application will display form of empty fields to get information of pothole.

3. User will enter all needed information.

4. User will click submit button to inform the team about pothole.

5. Pothole record will saved by street address.

4. Work order data will generated to check the progress status of pothole repairing by an identifying number.

5. Web App will also ask for any damage (if done) and its cost.

6. Damage file will also contain citizen name, address, contact info and type and cost of damage.

**Extensions:**

**Alternate flow of events**

* Users fill the form but it is not submitted.
* User is about to fill the form but cancels it.
* Information is not given properly.

**Exceptions**

* User could exaggerate damage.
* Funding could be lost.
* Too much traffic on same web application.
* Customer will change requirements