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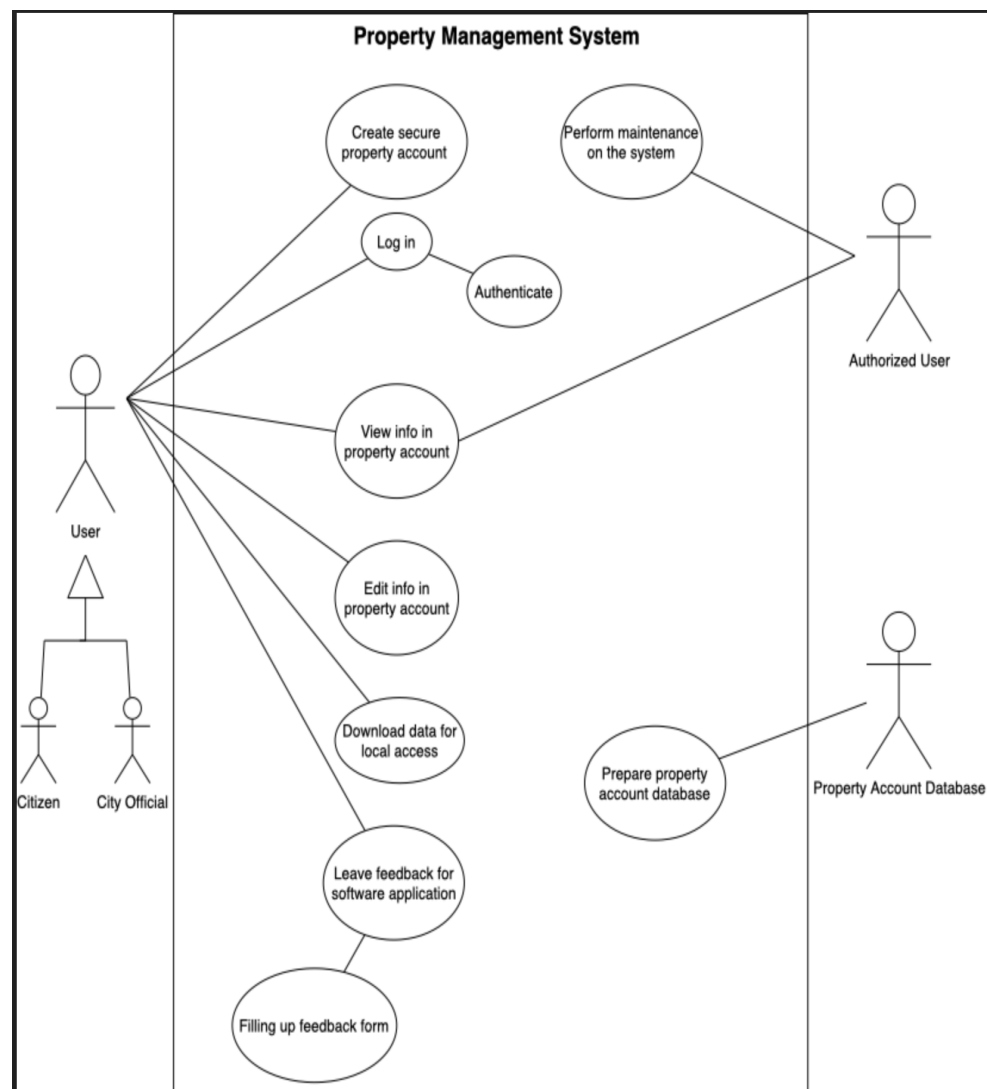
CEN 4010-001

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Milestone #3

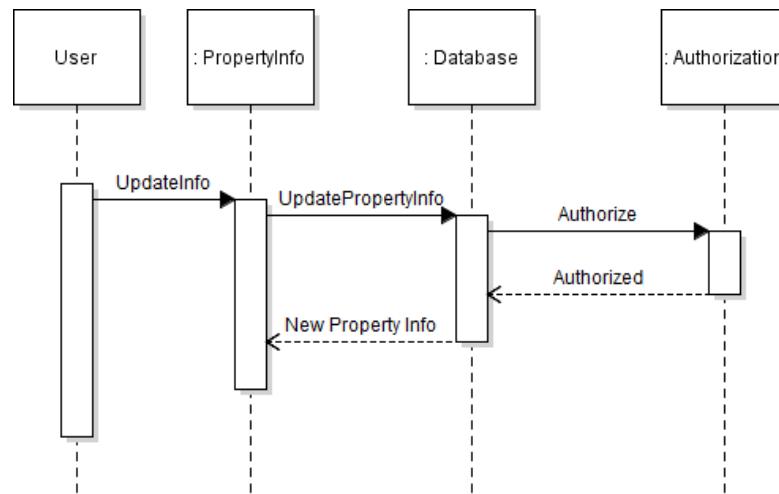
1. Use Case Diagram:

a. [CEN_4010UseCaseDiagram.drawio](#)



2. Sequence Diagram:

a. [CEN_4010SequenceDiagram.drawio](#)



3. Explain why it is important to model the context of a system that is being developed.

Give two examples of possible errors that could arise if software engineers do not understand the system context.

- a. It is important to model the context of a system being developed because context models help developers understand how the system will behave based on how the user interacts with it alongside other actors within the system. It also avoids confusion regarding the intentions of the system design in future development. For instance, some of the errors that can occur if the system context is not properly understood include the creation of a full project in the wrong system context - resulting in loss of time and money. Alongside this, system developers not understanding the context of the system results in a failure to properly maintain user records. This is because misunderstanding the system context causes difficulty in properly understanding the database structure.