

# BuildingManager

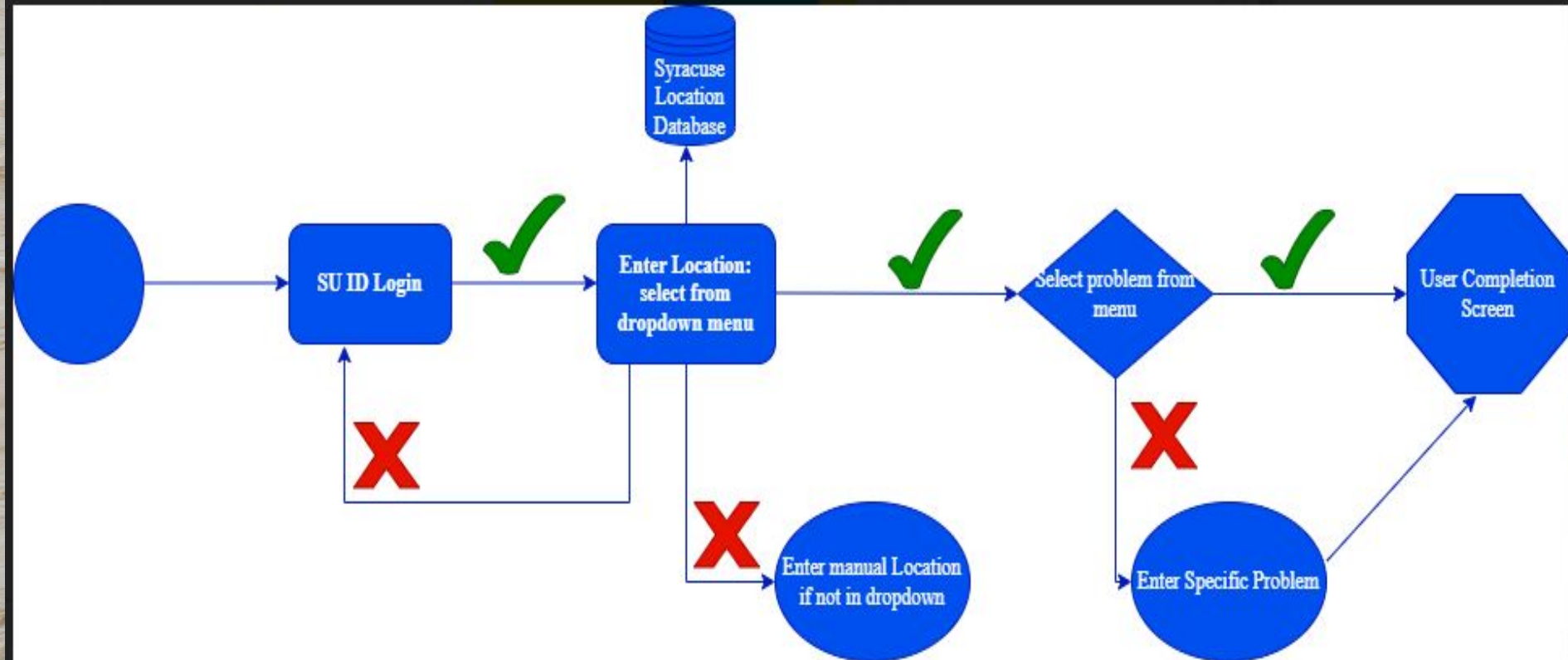
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# Overview

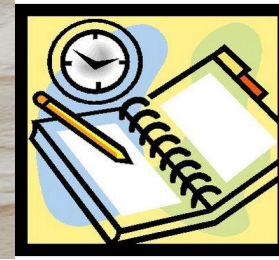
## Product

- BuildingManager is a repair scheduling and building administration app designed to speed up building repairs, organize various staff members and employees in industrial/high density buildings, and minimize wasted time due to scheduling errors and miscommunications in maintenance operations
- Used by residents, students, office workers, and employees alike, BuildingManager uses a scoring algorithm to organize maintenance tickets, identify technology outages, track maintenance progress on repairs, and even help organize DPS/EMS response teams
- BuildingManager also produces periodic records that are saved, processed, and relayed to management teams in order to better allocate resources and plan repairs

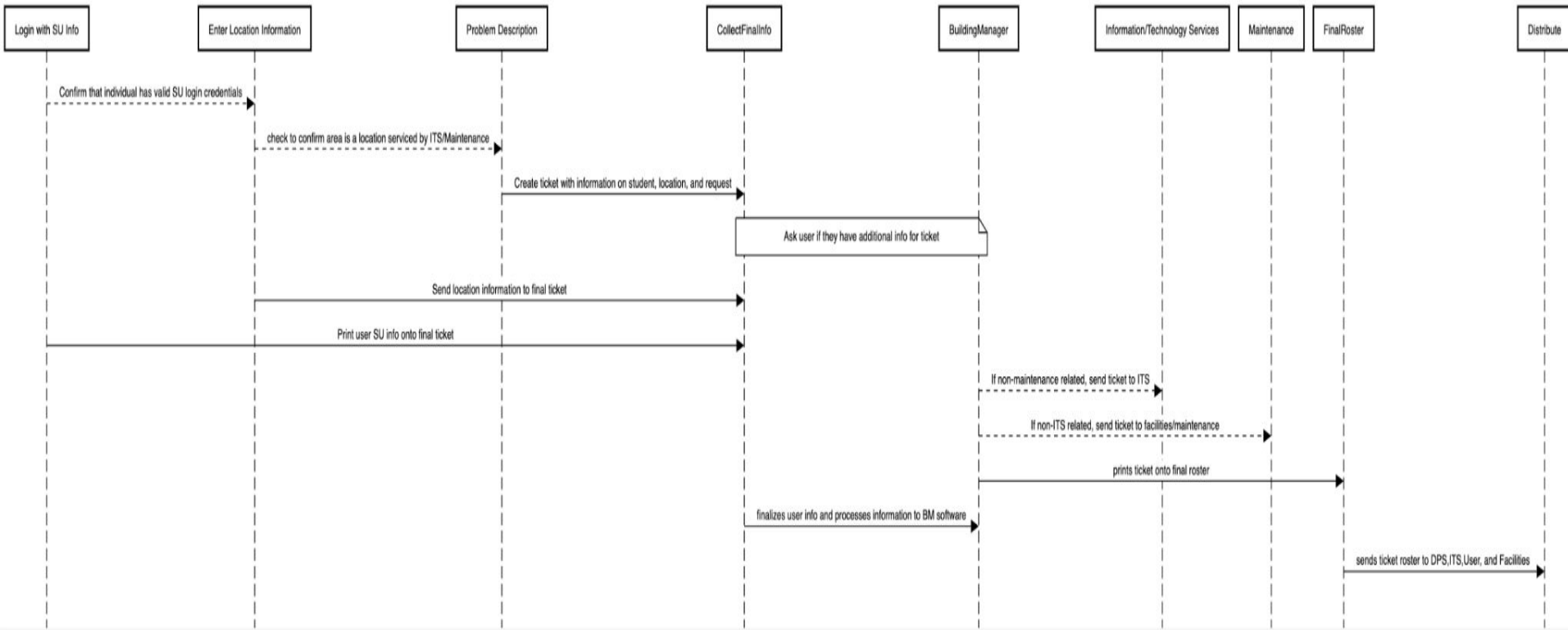
# Activity Diagrams



# Sequence Diagrams

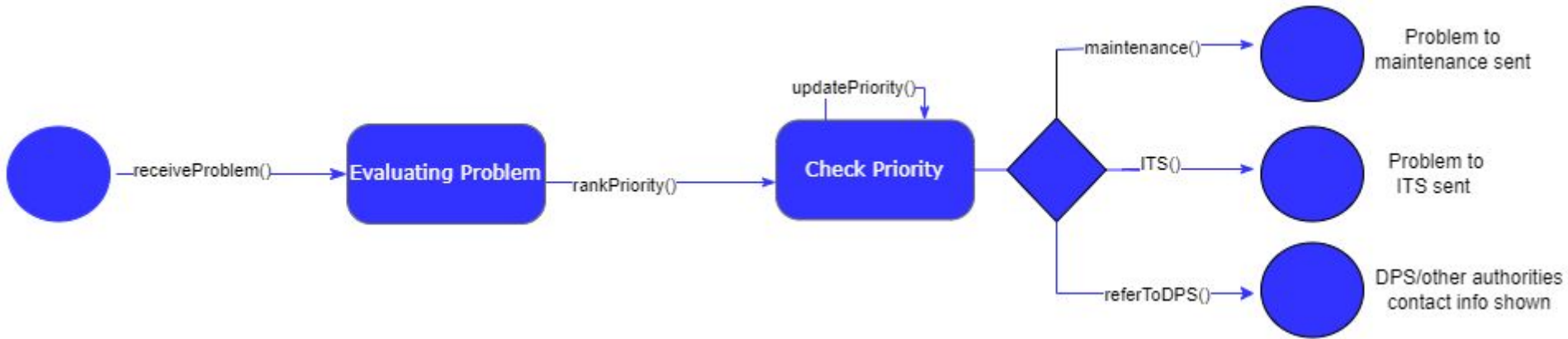


BuildingManager Sequence Diagram

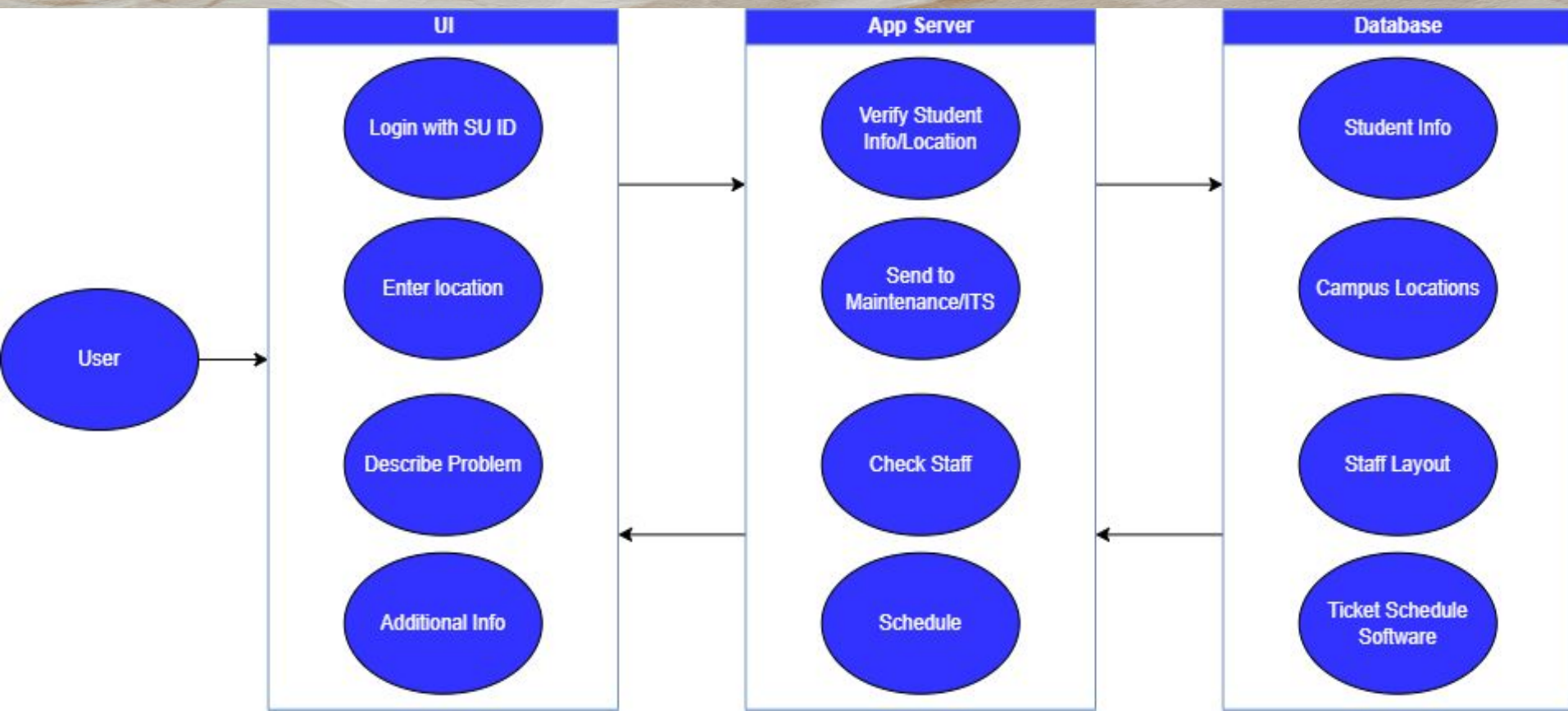




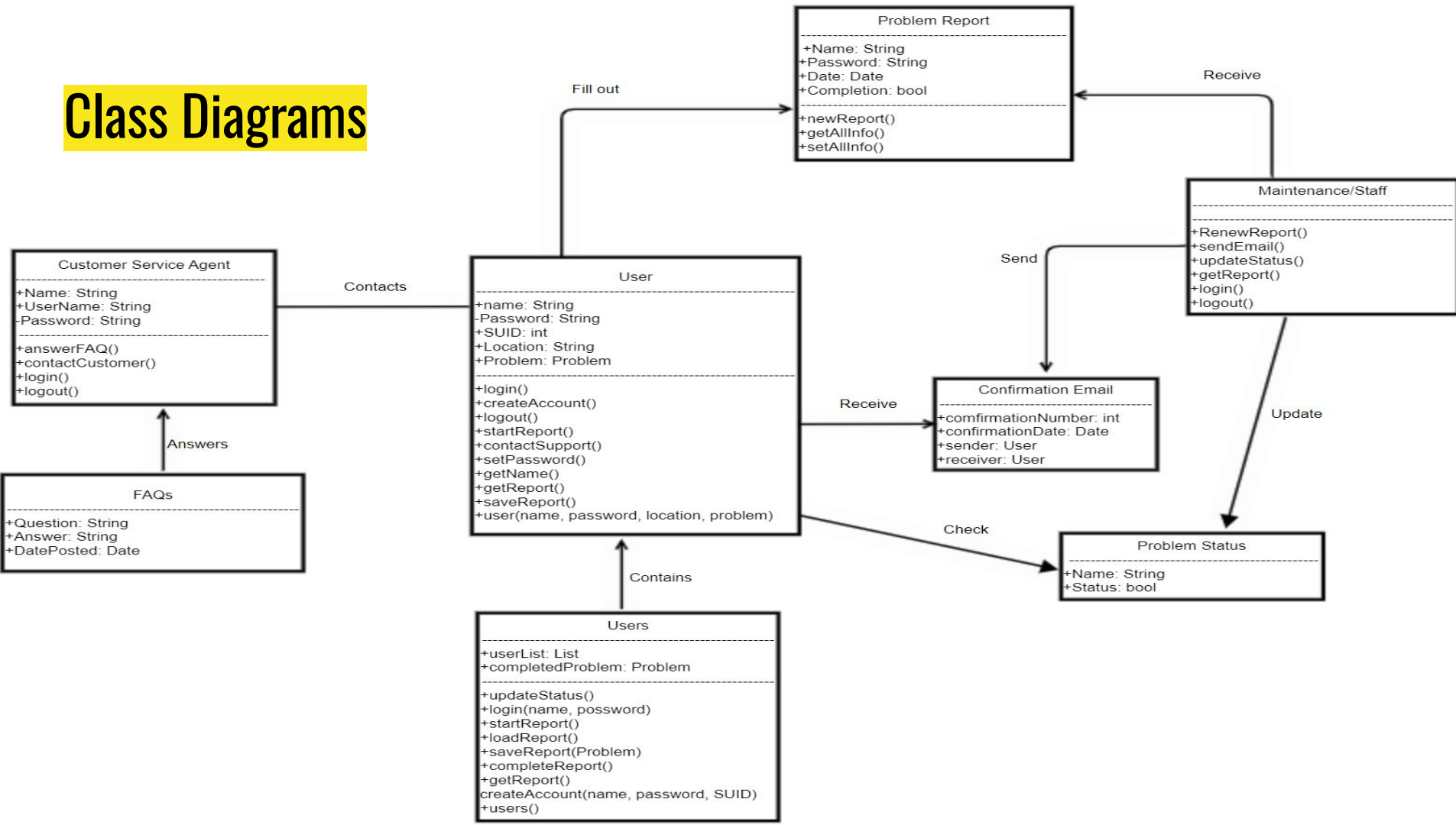
# State Diagram For Submitted Problems



# Architecture Diagram



# Class Diagrams



# Use Case Diagram





# Software Components

## User Interface (UI)

- Enter SU login
  - User prompt to collect Syracuse login information from client
- Enter location data
  - Drop down box allowing client to select from a predetermined list of campus locations when submitting maintenance request
- Describe maintenance request
  - Blank-text box for user to describe current issues at hand
- Add additional info to ticket (if applicable)
  - Additional text box for user to include any further information about issue for responding employees

## Database(s)

- Syracuse University
  - Through SU, the software will use an individual's NETID and password to ensure that all requests come from valid, current students/employees
- Maintenance Staff
  - Through access to the maintenance/Facilities database, BuildingManager will track how building staff on hand, where on campus (or in the building) they are, and what skill sets they hold
- Information/Technology Services Staff
  - Through access to the ITS staff database, BuildingManager will track how much ITS staff is on hand, where on campus they are, and what skill sets they hold



**Questions?**