

CSE 322
Software Engineering

# Phase 2 Design Specification Document

## Submitted by

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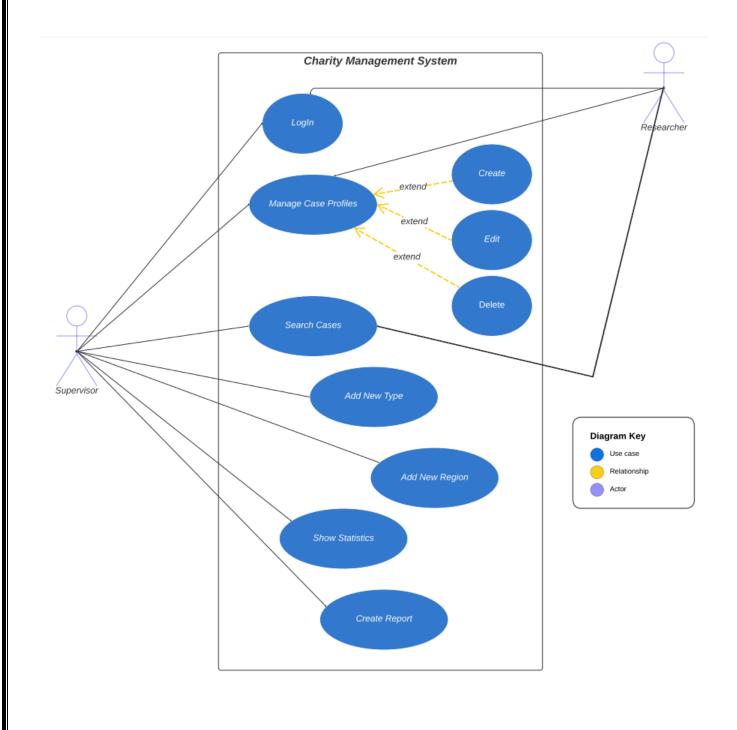
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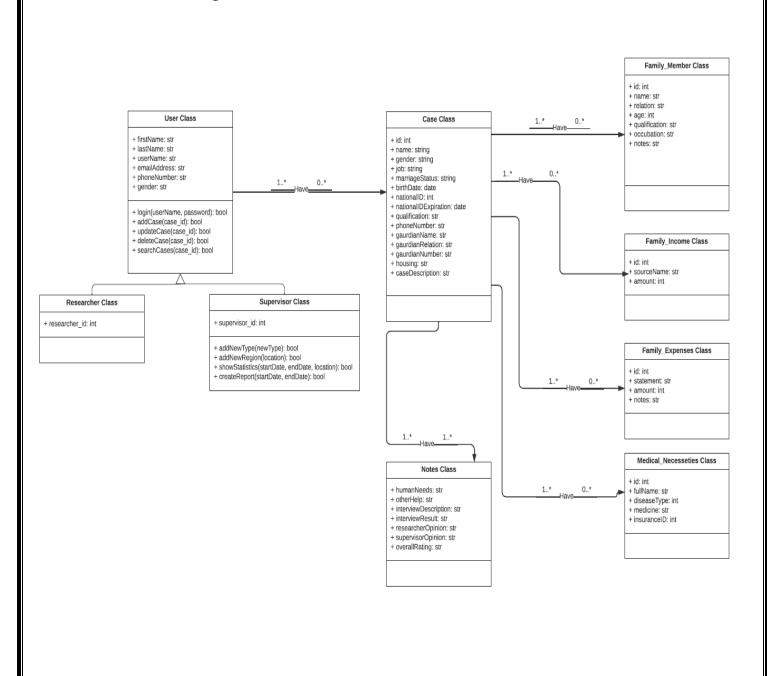
to

Dr. Ahmed Fares

# 1. Use Case Diagram



# 2. Class Diagram



#### User Class

#### **User Class**

+ firstName: str + lastName: str + userName: str + emailAddress: str + phoneNumber: str

+ gender: str

- + login(userName, password): bool
- + addCase(case id): bool
- + updateCase(case\_id): bool
- + deleteCase(case id): bool
- + searchCases(case id): bool

Researcher Class

## Researcher Class

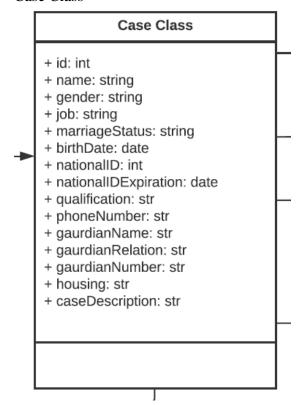
+ researcher\_id: int

Supervisor Class

## **Supervisor Class**

- + supervisor\_id: int
- + addNewType(newType): bool
- + addNewRegion(location): bool
- + showStatistics(startDate, endDate, location): bool
- + createReport(startDate, endDate): bool

#### Case Class



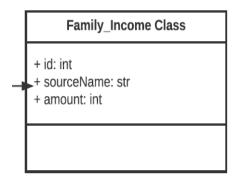
#### Notes Class

# + humanNeeds: str + otherHelp: str + interviewDescription: str + interviewResult: str + researcherOpinion: str + supervisorOpinion: str + overallRating: str

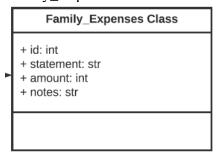
## • Family\_Member Class

	Family_Member Class
<b>A</b>	+ id: int + name: str + relation: str + age: int + qualification: str + occubation: str + notes: str

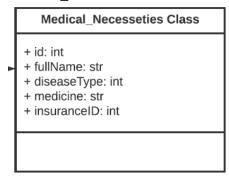
#### • Family\_Income Class



#### • Family\_Expenses Class

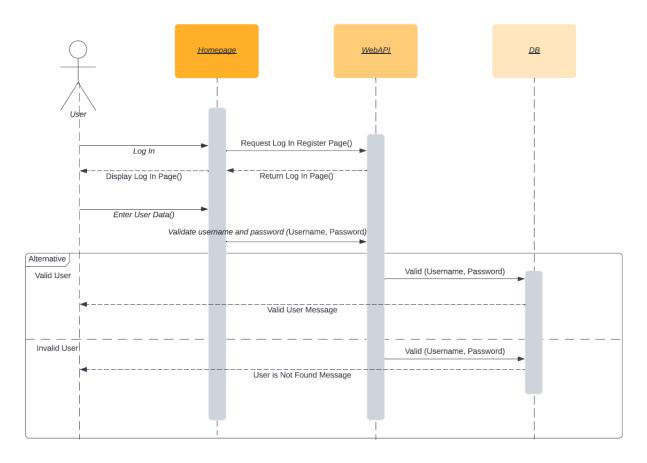


#### • Medical\_Necesseties Class

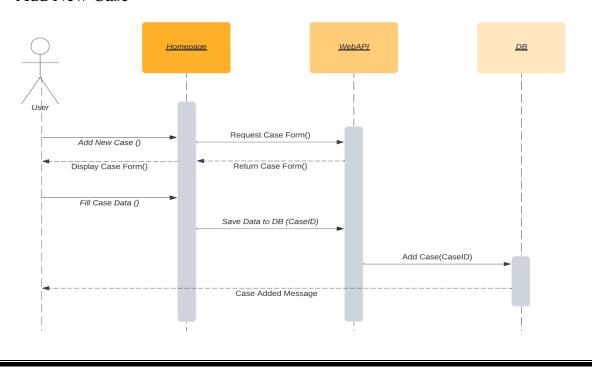


# 3. Sequences Diagrams

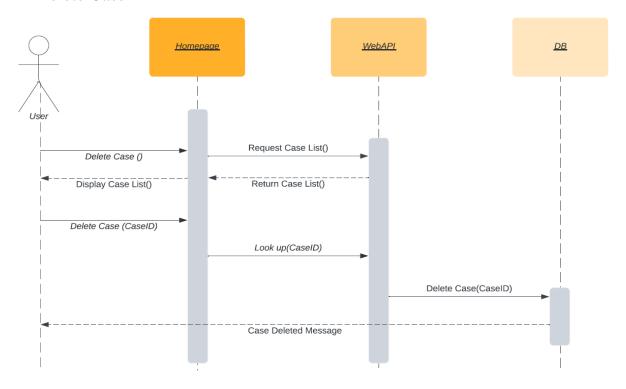
## • Log in



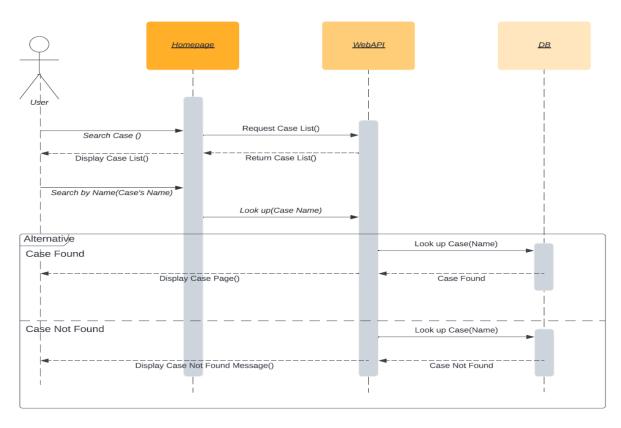
## Add New Case



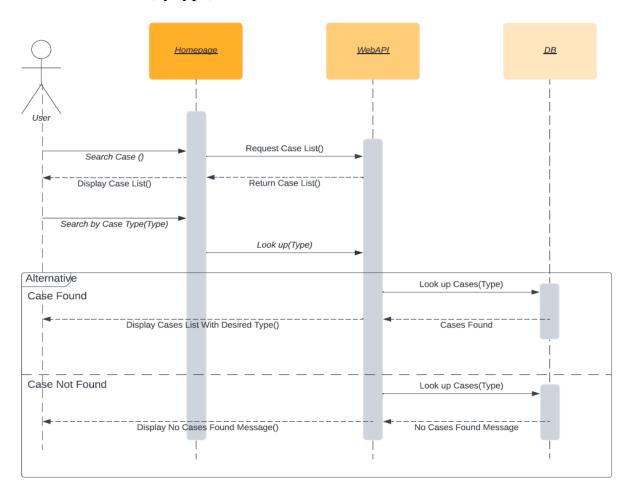
## • Delete Case



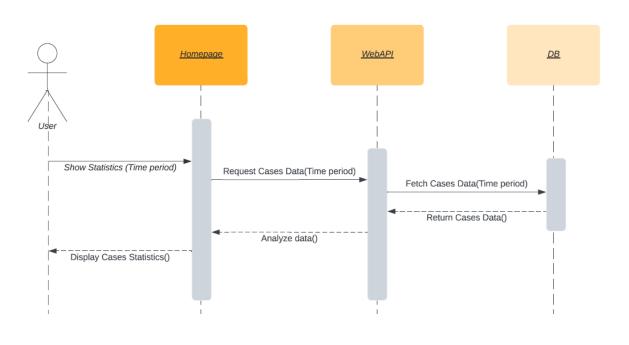
# • Search Cases (by name)



# • Search Cases (by type)

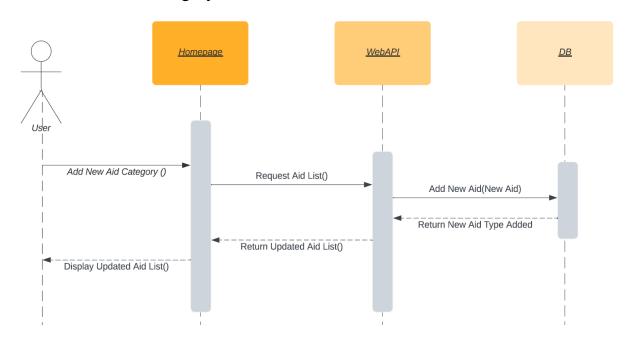


## • Show Statistics

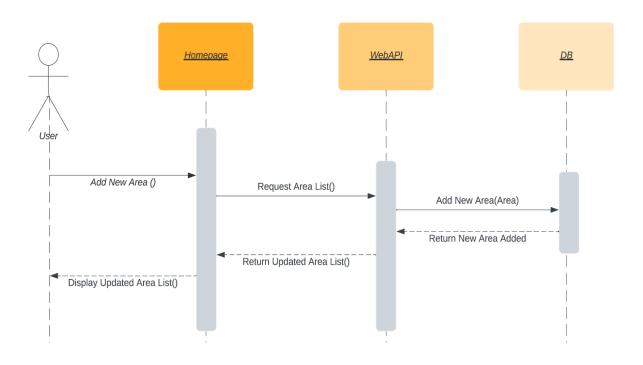


## • Edit Cases

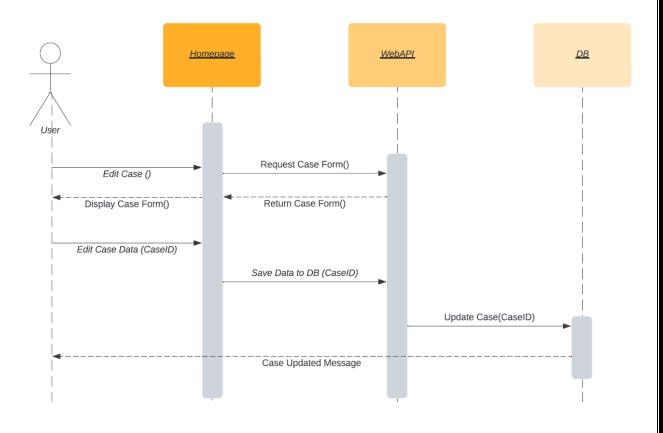
# a. Add New Aid Category



# b. Add New Region/Area

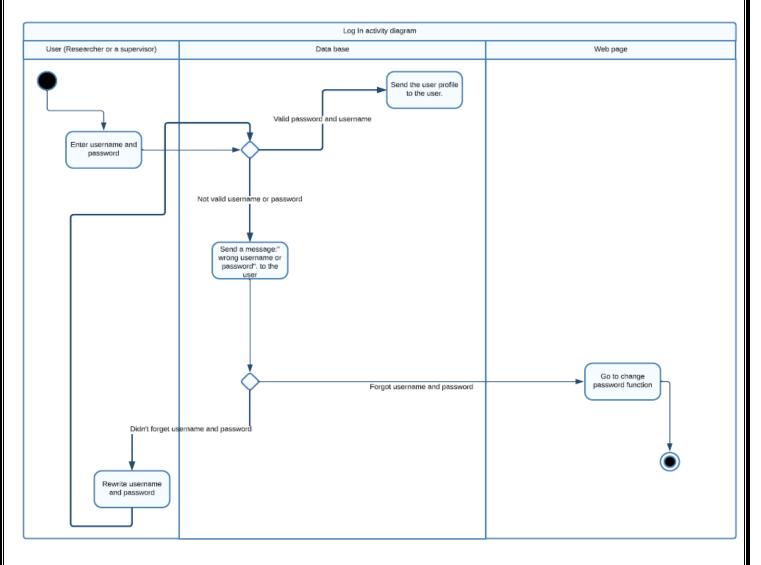


# c. Manage Case's Profile

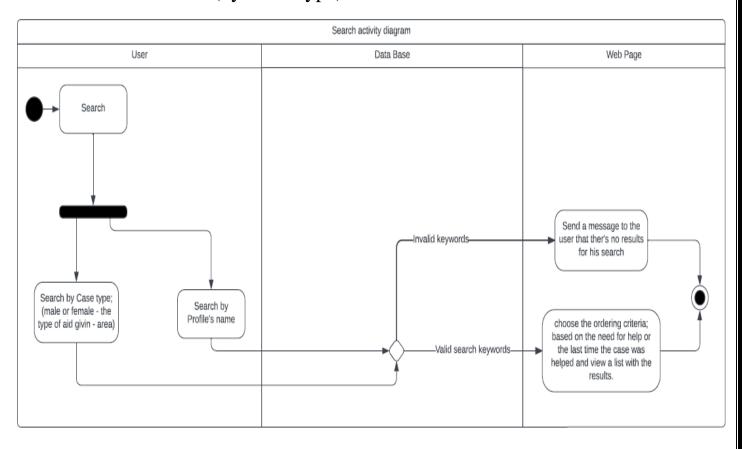


# 4. Activity Diagrams

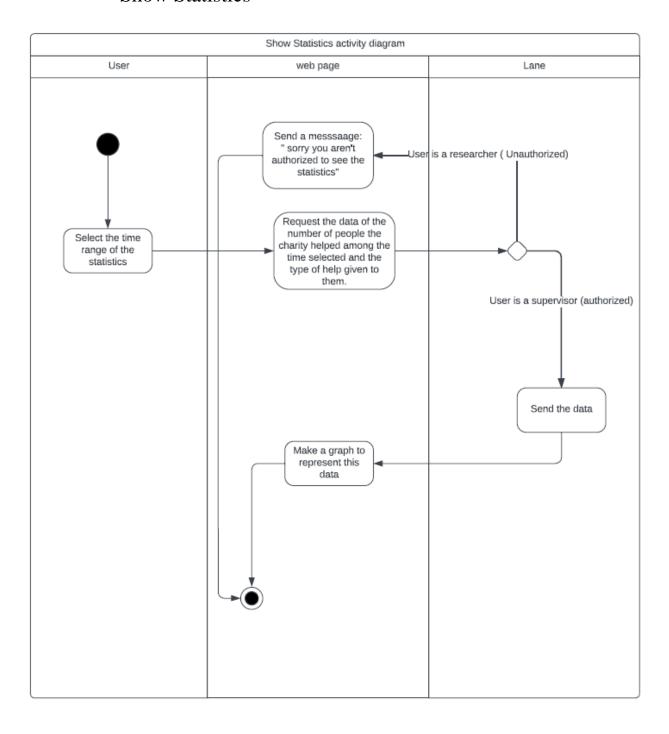
• Log in



# • Search (by name/type)



## • Show Statistics



# • Manage Case's Profile

