M7 UML Class Diagram

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Github Link: https://github.com/Team-73-Git-Gud/CS-2340-Software.git
UML Diagram:

CSVParser

shelterList: ArrayList<Shelter>

+ parser(Context: content)

CSVParser creates and updates Shelter

Store new Shelters

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Shelter

- shelterList: ArrayList<Shelter>
+ SHELTER_NAME: string = "shelter_name"
- id: String
- name: String
- capacity: String
- restriction: String
- longitude: String
- latitude: String
- address: String
- notes: String
- number: String
- notifications: ArrayList<Notification>

+ findShelter(Id: String): Shelter
+ toString(): String
+addNotification(message:Notification): void

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Displays

Notification

- date: string
- author: string
- header: string
- messageBody: string

Firebase

+ Shelter

+ User

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Store
verified
Users

Request
Searched
Shelter

SearchHandler

-selectedList: ArrayList<Shelter>

+performSearch(query: String):void

User

- userName: String
- password: String
- email: String
- id: String
- Class: String
- Name: String
- userList: ArrayList<User>

+ isValidUsername(s:String): boolean
+ isValidPassword(s:String): boolean
+ isEnterablePassword(s:String): boolean
+ isEnterableUsername(s:String): boolean
+ indexofUser(s: String): int
+ isValidCombination(s:String, t:String): boolean

**<<Singleton>>
ValidationModel**

- _INSTANCE:ValidationModel

+ getInstance(): ValidationModel
+ replaceStudentData(): Void

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Sends
Information

Extends

ShelterAdmin

- MAINMODEL_INSTANCE: MainModel

+ postNotification(message:content):
+ updateShelter(Context: content):

Extends

Admin

- MAINMODEL_INSTANCE: MainModel

+ CreateShelterAdmin(s:User):ShelterAdmin