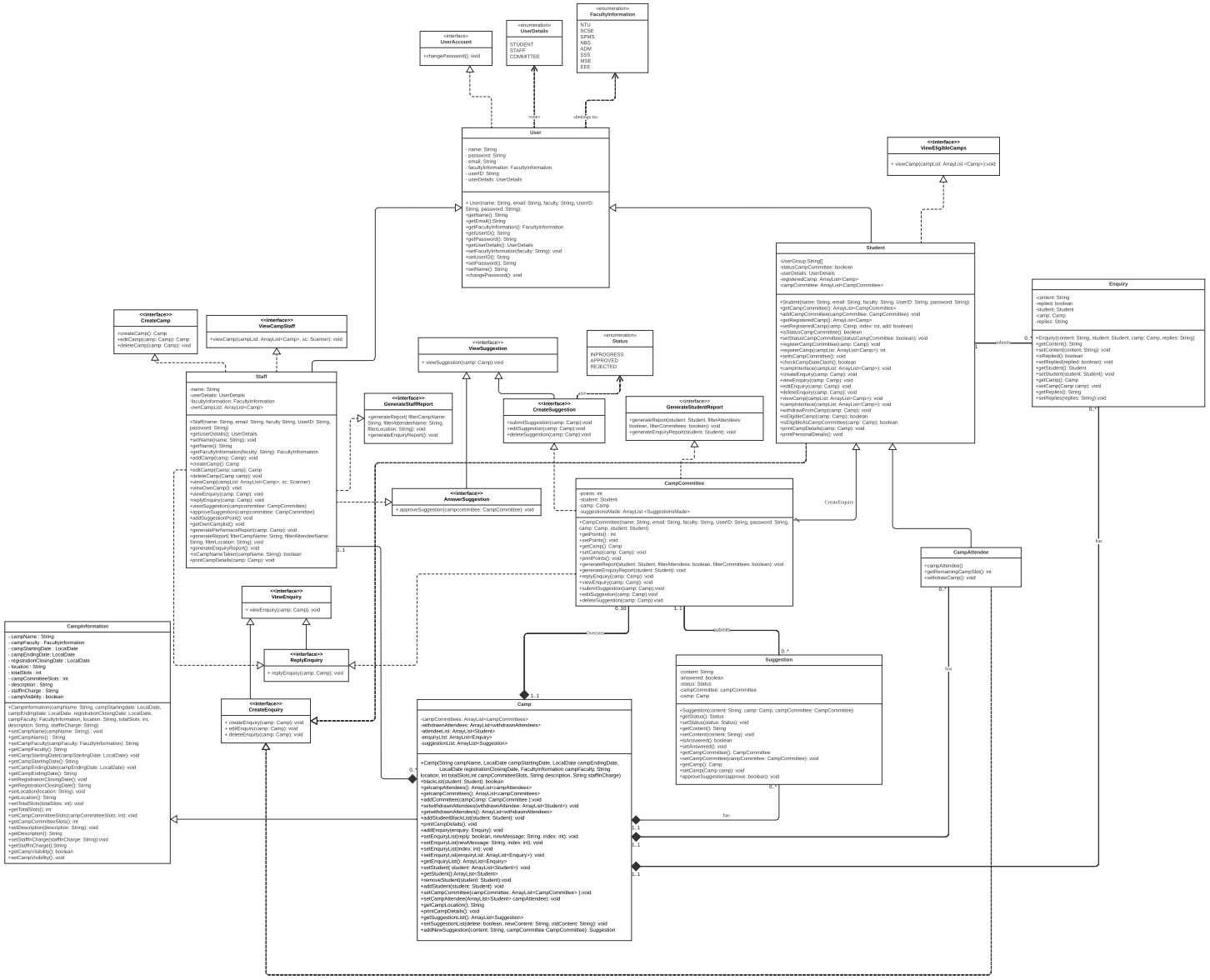
«interface»
UserAccount
+changePassword(): void
«enumeration»
UserDetails
STUDENT
STAFF
COMMITTEE
«enumeration»
FacultyInformation
NTU
SCSE
SPMS
NBS
ADM
SSS
MSE
EEE
«role»
«belongs to»
User
- name: String
- password: String
- email: String
- facultyInformation: FacultyInformation
- userID: String
- userDetails: UserDetails
+ User(name: String, email: String, faculty: String, UserID: String, password: String)
+getName(): String
+getEmail():String
+getFacultyInformation(): FacultyInformation
+getUserID(): String
+getPassword(): String
+getUserDetails() : UserDetails
+setFacultyInformation(faculty: String): void
+setUserID(): String
+setPassword(): String
+setName(): String
+changePassword(): void
<<interface>>
ViewEligibleCamps
+ viewCamp(campList: ArrayList <Camp>):void
Student
-UserGroup:String[]
-statusCampCommittee: boolean
-userDetails: UserDetails
-registeredCamp: ArrayList<Camp>
-campCommittee: ArrayList<CampCommittee>
+Student(name: String, email: String, faculty: String, UserID: String, password: String)
+getCampCommittee(): ArrayList<CampCommittee>
+addCampCommittee(campCommittee: CampCommittee): void
+getRegisteredCamp(): ArrayList<Camp>
+setRegisteredCamp(camp: Camp, index: int, add: boolean)
+isStatusCampCommittee(): boolean
+setStatusCampCommittee(statusCampCommittee: boolean): void
+registerCampCommittee(camp: Camp): void
+registerCamp(campList: ArrayList<Camp>): int
+setsCampCommittee(): void
+checkCampDateClash(): boolean
+campInterface(campList: ArrayList<Camp>): void
+createEnquiry(camp: Camp): void
+viewEnquiry(camp: Camp): void
+editEnquiry(camp: Camp): void
+deleteEnquiry(camp: Camp): void
+viewCamp(campList: ArrayList<Camp>): void
+campInterface(campList: ArrayList<Camp>): void
+withdrawFromCamp(camp: Camp): void
+isEligibleCamp(camp: Camp): boolean
+isEligibleAsCampCommittee(camp: Camp): boolean
+printCampDetails(camp: Camp): void
+printPersonalDetails(): void
Enquiry
-content: String
-replied: boolean
-student: Student
-camp: Camp
-replies: String
+Enquiry(content: String, student: Student, camp: Camp, replies: String)
+getContent(): String
+setContent(content: String): void
+isReplied(): boolean
+setReplied(replied: boolean): void
+getStudent(): Student
+setStudent(student: Student): void
+getCamp(): Camp
+setCamp(Camp camp): void
+getReplies(): String
+setReplies(replies: String):void
«submits»
«Enquiries»
<<interface>>
CreateCamp
+createCamp(): Camp
+editCamp(camp: Camp): Camp
+deleteCamp(camp: Camp): void
<<interface>>
ViewCampStaff
+viewCamp(campList: ArrayList<Camp>, sc: Scanner): void
<<interface>>
ViewSuggestion
+ viewSuggestion(camp: Camp):void
«enumeration»
Status
INPROGRESS
APPROVED
REJECTED
Staff
-name: String
-userDetails: UserDetails
-facultyInformation: FacultyInformation
-ownCampList: ArrayList<Camp>
+Staff(name: String, email: String, faculty: String, UserID: String, password: String)
+getUserDetails(): UserDetails
+setName(name: String): void
+getName(): String
+getFacultyInformation(faculty: String): FacultyInformation
+addCamp(camp: Camp): void
+createCamp(): Camp
+editCamp(Camp: camp): Camp
+deleteCamp(Camp camp): void
+viewCamp(campList: ArrayList<Camp>, sc: Scanner)
+viewOwnCamp(): void
+viewEnquiry(camp: Camp): void
+replyEnquiry(camp: Camp): void
+viewSuggestion(campcommittee: CampCommittee)
+approveSuggestion(campcommittee: CampCommittee)
+addSuggestionPoint(): void
+getOwnCampList(): void
+generatePerformanceReport(camp: Camp): void
+generateReport(filterCampName: String, filterAttendeeName: String, filterLocation: String): void
+generateEnquiryReport(): void
+isCampNameTaken(campName: String): boolean
+printCampDetails(camp: Camp): void
1..1
<<interface>>
GenerateStaffReport
+generateReport(filterCampName: String, filterAttendeeName: String, filterLocation: String): void
+generateEnquiryReport(): void
<<interface>>
CreateSuggestion
+submitSuggestion(camp: Camp):void
+editSuggestion(camp: Camp):void
+deleteSuggestion(camp: Camp):void
<<interface>>
GenerateStudentReport
+generateReport(student: Student, filterAttendees: boolean, filterCommittees: boolean): void
+generateEnquiryReport(student: Student) : void
<<interface>>
AnswerSuggestion
+ approveSuggestion(campcommittee: CampCommittee): void
CampCommittee
-points: int
-student: Student
-camp: Camp
-suggestionsMade: ArrayList <SuggestionsMade>
+CampCommittee(name: String, email: String, faculty: String, UserID: String, password: String, camp: Camp, student: Student)
+getPoints() : int
+setPoints() : void
+getCamp(): Camp
+setCamp(camp: Camp): void
+printPoints(): void
+generateReport(student: Student, filterAttendees: boolean, filterCommittees: boolean): void
+generateEnquiryReport(student: Student): void
+replyEnquiry(camp: Camp): void
+viewEnquiry(camp: Camp): void
+submitSuggestion(camp: Camp):void
+editSuggestion(camp: Camp):void
+deleteSuggestion(camp: Camp):void
CreateEnquiry
«submits»
«Enquiries»
1..1
0..10
1..1
0..*
CampAttendee
+campAttendee()
+getRemainingCampSlot(): int
+withdrawCamp(): void
0..*
has
<<interface>>
ViewEnquiry
+ viewEnquiry(camp: Camp): void
<<interface>>
ReplyEnquiry
+ replyEnquiry(camp: Camp): void
<<interface>>
CreateEnquiry
+ createEnquiry(camp: Camp): void
+ editEnquiry(camp: Camp): void
+ deleteEnquiry(camp: Camp): void
CampInformation
- campName : String
- campFaculty : FacultyInformation
- campStartingDate : LocalDate
- campEndingDate : LocalDate
- registrationClosingDate : LocalDate
- location : String
- totalSlots : int
- campCommitteeSlots : int
- description : String
- staffInCharge : String
- campVisibility : boolean
+CampInformation(campName: String, campStartingdate: LocalDate, campEndingdate: LocalDate, registrationClosingDate: LocalDate, campFaculty: FacultyInformation, location: String, totalSlots: int, description: String, staffinCharge: String)
+setCampName(campName: String) : void
+getCampName() : String
+setCampFaculty(campFaculty: FacultyInformation): String
+getCampFaculty(): String
+setCampStartingDate(campStartingDate: LocalDate): void
+getCampStartingDate(): String
+setCampEndingDate(campEndingDate: LocalDate): void
+getCampEndingDate(): String
+setRegistrationClosingDate(): void
+getRegistrationClosingDate(): String
+setLocation(location: String): void
+getLocation(): String
+setTotalSlots(totalSlots: int): void
+getTotalSlots(): int
+setCampCommitteeSlots(campCommiteeSlots: int): void
+getCampCommiteeSlots(): int
+setDescription(description: String): void
+getDescription(): String
+setStaffInCharge(staffinCharge: String):void
+getStaffInCharge():String
+getCampVisibility(): boolean
+setCampVisibility(): void
Camp
-campCommittees: ArrayList<campCommittees>
-withdrawnAttendees: ArrayList<withdrawnAttendees>
-attendeeList: ArrayList<Student>
-enquiryList: ArrayList<Enquiry>
-suggestionList: ArrayList<Suggestion>
+Camp(String campName, LocalDate campStartingDate, LocalDate campEndingDate, LocalDate registrationClosingDate, FacultyInformation campFaculty, String location, int totalSlots,int campCommiteeSlots, String description, String staffinCharge)
+blackList(student: Student): boolean
+getcampAttendees(): ArrayList<campAttendees>
+getcampCommittees(): ArrayList<campCommittees>
+addCommittee(campComp: CampCommittee):void
+setwithdrawnAttendees(withdrawnAttendee: ArrayList<Student>): void
+getwithdrawnAttendees(): ArrayList<withdrawnAttendees>
+addStudentBlackList(student: Student): void
+printCampDetails(): void
+addEnquiry(enquiry: Enquiry): void
+setEnquiryList(reply: boolean, newMessage: String, index: int): void
+setEnquiryList(newMessage: String, index: int): void
+setEnquiryList(index: int): void
+setEnquiryList(enquiryList: ArrayList<Enquiry>): void
+getEnquiryList(): ArrayList<Enquiry>
+setStudent(student: ArrayList<Student>): void
+getStudent():ArrayList<Student>
+removeStudent(student: Student):void
+addStudent(student: Student): void
+setCampCommittee(campCommittee: ArrayList<CampCommittee>):void
+setCampAttendee(ArrayList<Student> campAttendee): void
+getCampLocation(): String
+printCampDetails(): void
+getSuggestionList(): ArrayList<Suggestion>
+setSuggestionList(delete: boolean, newContent: String, oldContent: String): void
+addNewSuggestion(content: String, campCommittee CampCommitee): Suggestion
1..1
0..*
1..1
1..1
1..1
Suggestion
-content: String
-answered: boolean
-status: Status
-campCommittee: campCommittee
-camp: Camp
+Suggestion(content: String, camp: Camp, campCommittee: CampCommitee)
+getStatus(): Status
+setStatus(status: Status): void
+getContent(): String
+setContent(content: String): void
+isAnsweredl(): boolean
+setAnsweredl(): void
+getCampCommittee(): CampCommittee
+setCampCommittee(campCommittee: CampCommitee): void
+getCamp(): Camp
+setCamp(Camp camp): void
+approveSuggestion(approve: boolean): void
0..*
has