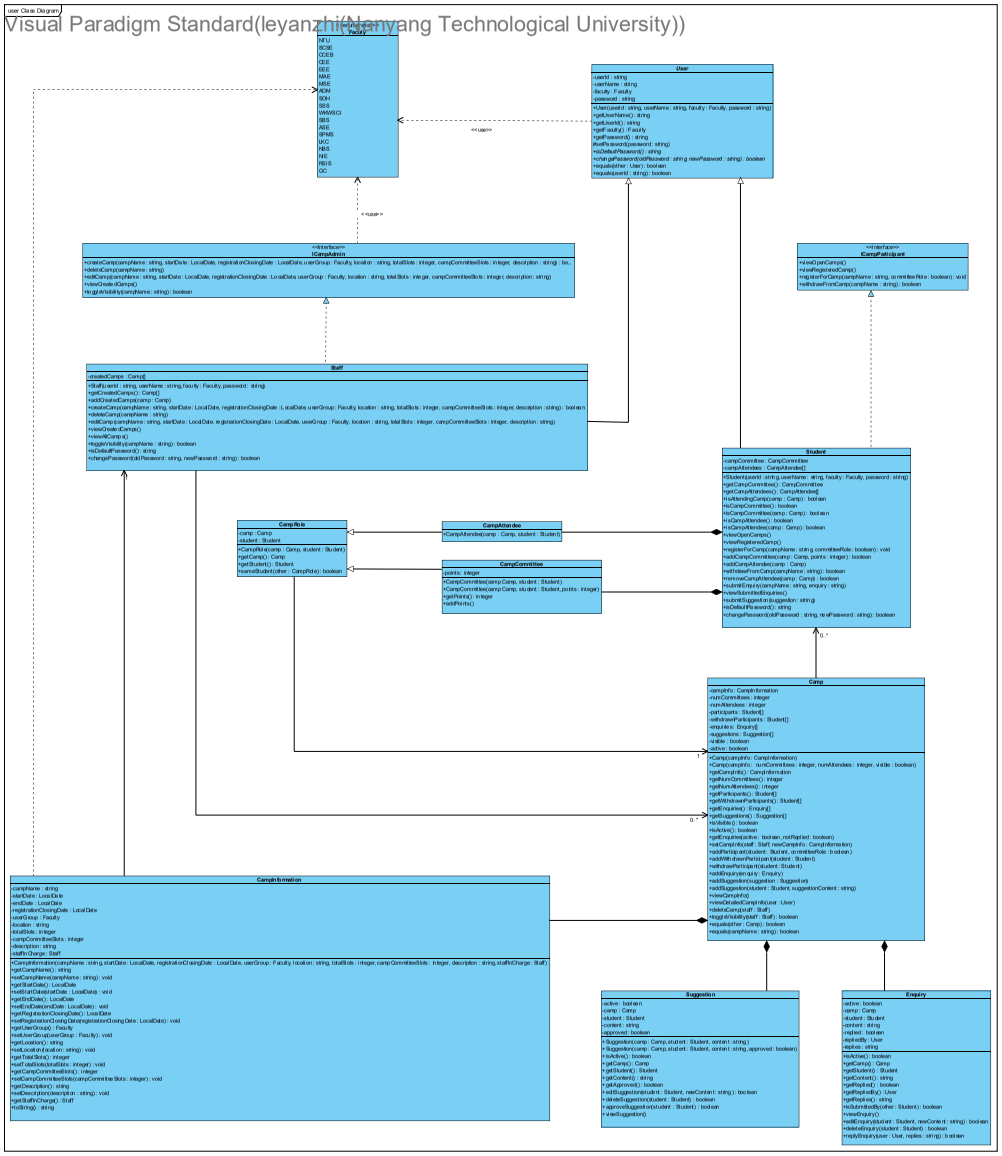
user Class Diagram
Visual Paradigm Standard(leyanzhi(Nanyang Technological University))
Faculty
NTU
SCSE
CCEB
CEE
EEE
MAE
MSE
ADM
SOH
SBS
WKWSCI
SBS
ASE
IPFMS
LKC
NBS
NIE
RBS
GC
<<Use>>
User
-userId : string
-userName : string
-faculty : Faculty
-password : string
+User(userId : string, userName : string, faculty : Faculty, password : string)
+getUserName() : string
+getUserId() : string
+getFaculty() : Faculty
+getPassword() : string
#setPassword(password : string)
+isDefaultPassword() : string
+changePassword(oldPassword : string, newPassword : string) : boolean
+equals(other : User) : boolean
+equalsUserId(id : string) : boolean
<<Use>>
<<interface>>
ICampAdmin
+createCamp(campName : string, startDate : LocalDate, registrationClosingDate : LocalDate, userGroup : Faculty, location : string, totalSlots : integer, campCommitteeSlots : integer, description : string) : bo...
+deleteCamp(campName : string)
+editCamp(campName : string, startDate : LocalDate, registrationClosingDate : LocalDate, userGroup : Faculty, location : string, totalSlots : integer, campCommitteeSlots : integer, description : string)
+viewCreatedCamps()
+toggleVisibility(campName : string) : boolean
<<interface>>
CampParticipant
+viewOpenCamps()
+viewRegisteredCamps()
+registerForCamp(campName : string, committeeRole : boolean) : void
+withdrawFromCamp(campName : string) : boolean
Staff
-createdCamps : Camp[]
+Staff(staffId : string, userName : string, faculty : Faculty, password : string)
+getCreatedCamps() : Camp[]
+addCreatedCamps(camp : Camp)
+createCamp(campName : string, startDate : LocalDate, registrationClosingDate : LocalDate, userGroup : Faculty, location : string, totalSlots : integer, campCommitteeSlots : integer, description : string) : boolean
+deleteCamp(campName : string)
+editCamp(campName : string, startDate : LocalDate, registrationClosingDate : LocalDate, userGroup : Faculty, location : string, totalSlots : integer, campCommitteeSlots : integer, description : string)
+viewCreatedCamps()
+viewAllCamps()
+toggleVisibility(campName : string) : boolean
+isDefaultPassword() : string
+changePassword(oldPassword : string, newPassword : string) : boolean
Student
-campCommittee : CampCommittee
-campAttendee : CampAttendee[]
+Student(userId : string, userName : string, faculty : Faculty, password : string)
+getCampCommittee() : CampCommittee
+getCampAttendees() : CampAttendee[]
+isAttendingCamp(camp : Camp) : boolean
+isCampCommittee() : boolean
+isCampCommittee(camp : Camp) : boolean
+isCampAttendee() : boolean
+isCampAttendee(camp : Camp) : boolean
+viewOpenCamps()
+viewRegisteredCamps()
+registerForCamp(campName : string committeeRole : boolean) : void
+addCampCommittee(camp : Camp, points : integer) : boolean
+addCampAttendee(camp : Camp)
+withdrawFromCamp(campName : string) : boolean
+removeCampAttendee(camp : Camp) : boolean
+submitEnquiry(campName : string, enquiry : string)
+viewSubmittedEnquiries()
+submitSuggestion(suggestion : string)
+isDefaultPassword() : string
+changePassword(oldPassword : string, newPassword : string) : boolean
CampRole
-camp : Camp
-student : Student
+CampRole(camp : Camp, student : Student)
+getCamp() : Camp
+getStudent() : Student
+isomeStudent(other : CampRole) : boolean
CampAttendee
+CampAttendee(camp : Camp, student : Student)
CampCommittee
-points : integer
+CampCommittee(camp:Camp, student : Student)
+CampCommittee(camp:Camp, student : Student, points : integer)
+getPoints() : integer
+addPoints()
0..*
Camp
-campInfo : CampInformation
-numCommittees : integer
-numAttendees : integer
-participants : Student[]
-withdrawnParticipants : Student[]
-enquiries : Enquiry[]
-suggestions : Suggestion[]
-visible : boolean
-active : boolean
+Camp(campInfo : CampInformation)
+Camp(campInfo : , numCommittees : integer, numAttendees : integer, visible : boolean)
+getCampInfo() : CampInformation
+getNumCommittees() : integer
+getNumAttendees() : integer
+getParticipants() : Student[]
+getWithdrawnParticipants() : Student[]
+getEnquiries() : Enquiry[]
+getSuggestions() : Suggestion[]
+isVisible() : boolean
+isActive() : boolean
+getEnquiries(active : boolean, notReplied : boolean)
+setCampInfo(staff : Staff, newCampInfo : CampInformation)
+addParticipant(student : Student, committeeRole : boolean)
+addWithdrawnParticipant(student : Student)
+withdrawParticipant(student : Student)
+addEnquiry(enquiry : Enquiry)
+addSuggestion(suggestion : Suggestion)
+addSuggestion(student : Student, suggestionContent : string)
+viewCampInfo()
+viewDetailedCampInfo(user : User)
+deleteCamp(staff : Staff)
+toggleVisibility(staff : Staff) : boolean
+equals(other : Camp) : boolean
+equals(campName : string) : boolean
1
0..*
CampInformation
-campName : string
-startDate : LocalDate
-endDate : LocalDate
-registrationClosingDate : LocalDate
-userGroup : Faculty
-location : string
-totalSlots : integer
-campCommitteeSlots : integer
-description : string
-staffInCharge : Staff
+CampInformation(campName : string, startDate : LocalDate, registrationClosingDate : LocalDate, userGroup : Faculty, location : string, totalSlots : integer, campCommitteeSlots : integer, description : string, staffInCharge : Staff)
+getCampName() : string
+setCampName(campName : string) : void
+getStartDate() : LocalDate
+setStartDate(startDate : LocalDate) : void
+getEndDate() : LocalDate
+setEndDate(endDate : LocalDate) : void
+getRegistrationClosingDate() : LocalDate
+setRegistrationClosingDate(registrationClosingDate : LocalDate) : void
+getUserGroup() : Faculty
+setUserGroup(userGroup : Faculty) : void
+getLocation() : string
+setLocation(location : string) : void
+getTotalSlots() : integer
+setTotalSlots(totalSlots : integer) : void
+getCampCommitteeSlots() : integer
+setCampCommitteeSlots(campCommitteeSlots : integer) : void
+getDescription() : string
+setDescription(description : string) : void
+getStaffInCharge() : Staff
+toString() : string
Suggestion
-active : boolean
-camp : Camp
-student : Student
-content : string
-approved : boolean
+Suggestion(camp : Camp, student : Student, content : string)
+Suggestion(camp : Camp, student : Student, content : string, approved : boolean)
+isActive() : boolean
+getCamp() : Camp
+getStudent() : Student
+getContent() : string
+getApproved() : boolean
+editSuggestion(student : Student, newContent : string) : boolean
+deleteSuggestion(student : Student) : boolean
+approveSuggestion(student : Student) : boolean
+viewSuggestion()
Enquiry
-active : boolean
-camp : Camp
-student : Student
-content : string
-replied : boolean
-repliedBy : User
-replies : string
+isActive() : boolean
+getCamp() : Camp
+getStudent() : Student
+getContent() : string
+getReplied() : boolean
+getRepliedBy() : User
+getReplies() : string
+isSubmittedBy(other : Student) : boolean
+viewEnquiry()
+editEnquiry(student : Student, newContent : string) : boolean
+deleteEnquiry(student : Student) : boolean
+replyEnquiry(user : User, replies : string) : boolean