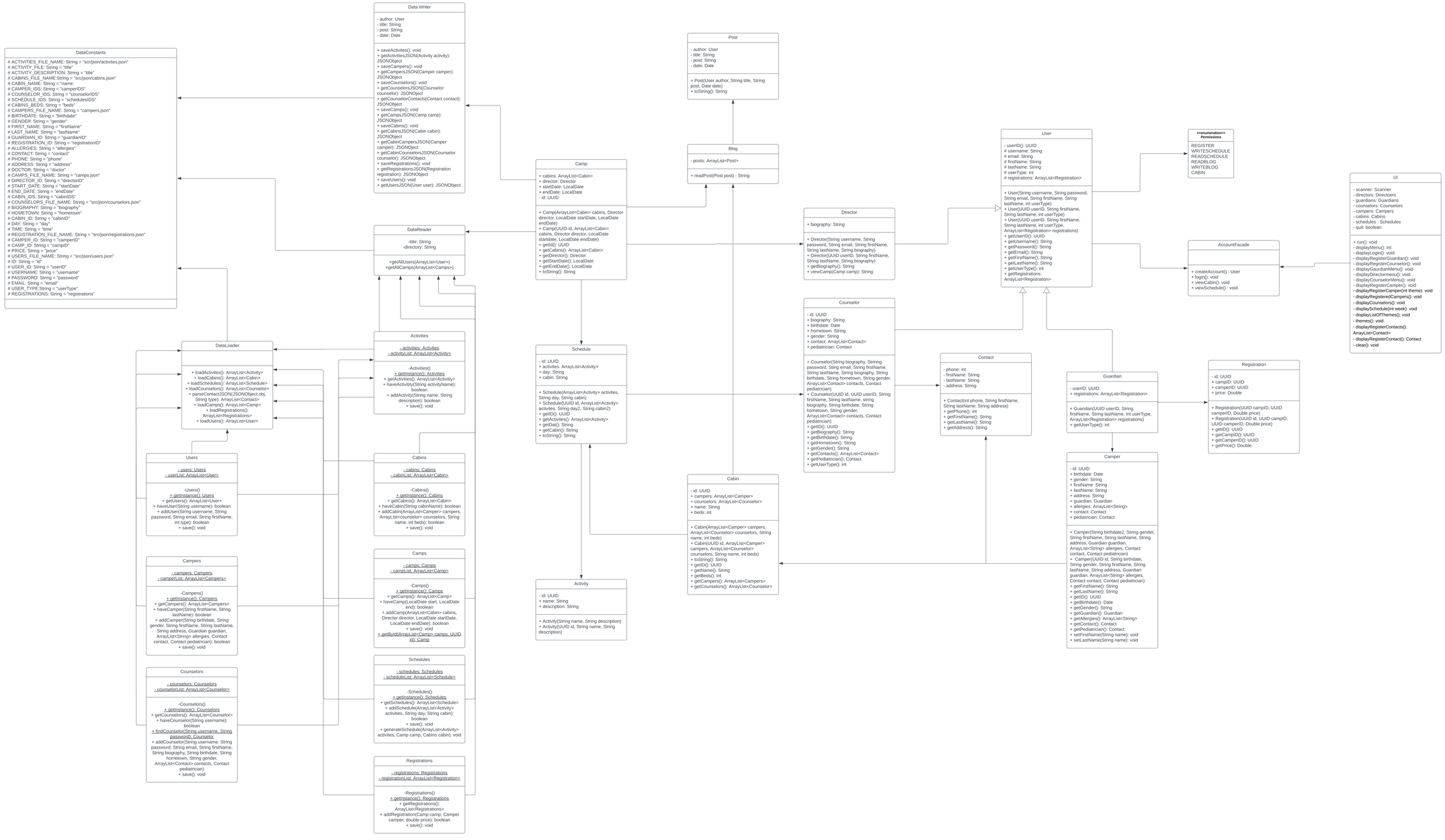
DataConstants
ACTIVITIES_FILE_NAME: String = "scr/json/activities.json"
ACTIVITY_FILE: String = "title"
ACTIVITY_DESCRIPTION: String = "title"
CABINS_FILE_NAME:String = "src/json/cabins.json"
CABIN_NAME: String = "name:
CAMPER_IDS: String = "camperIDS"
COUNSELOR_IDS: String = "counselorIDS"
SCHEDULE_IDS: String = "schedulesIDS"
CABINS_BEDS: String = "beds"
CAMPERS_FILE_NAME: String = "campers.json"
BIRTHDATE: String = "birthdate"
GENDER: String = "gender"
FIRST_NAME: String = "firstName"
LAST_NAME: String = "lastName"
GUARDIAN_ID: String = "guardianID"
REGISTRATION_ID: String = "registrationID"
ALLERGIES: String = "allergies"
CONTACT: String = "contact"
PHONE: String = "phone"
ADDRESS: String = "address"
DOCTOR: String = "doctor"
CAMPS_FILE_NAME: String = "camps.json"
DIRECTOR_ID: String = "directorID"
START_DATE: String = "startDate"
END_DATE: String = "endDate"
CABIN_IDS: String = "cabinIDS"
COUNSELORS_FILE_NAME: String = "src/json/counselors.json"
BIOGRAPHY: String = "biography"
HOMETOWN: String = "hometown"
CABIN_ID: String = "cabinID"
DAY: String = "day"
TIME: String = "time"
REGISTRATION_FILE_NAME: String = "src/json/registrations.json"
CAMPER_ID: String = "camperID"
CAMP_ID: String = "campID"
PRICE: String = "price"
USERS_FILE_NAME: String = "src/json/users.json"
ID: String = "id"
USER_ID: String = "userID"
USERNAME: String = "username"
PASSWORD: String = "password"
EMAIL: String = "email"
USER_TYPE:String = "userType"
REGISTRATIONS: String = "registrations"
Data Writer
- author: User
- title: String
- post: String
- date: Date
+ saveActivites(): void
+ getActivitiesJSON(Activity activity): JSONObject
+ saveCampers(): void
+ getCampersJSON(Camper camper): JSONObject
+ saveCounselors(): void
+ getCounselorsJSON(Counselor counselor): JSONObject
+ getCounselorContacts(Contact contact): JSONObject
+ saveCamps(): void
+ getCampsJSON(Camp camp): JSONObject
+ saveCabins(): void
+ getCabinsJSON(Cabin cabin): JSONObject
+ getCabinCampersJSON(Camper camper): JSONOject
+ getCabinCounselorsJSON(Counselor counselor): JSONObject
+ saveRegistrations(): void
+ getRegistrationsJSON(Registration registration): JSONObject
+ saveUsers(): void
+ getUsersJSON(User user): JSONObject
Post
- author: User
- title: String
- post: String
- date: Date
+ Post(User author, String title, String post, Date date)
+ toString(): String
Blog
- posts: ArrayList<Post>
+ readPost(Post post) : String
Camp
+ cabins: ArrayList<Cabin>
+ director: Director
+ startDate: LocalDate
+ endDate: LocalDate
- id: UUID
+ Camp(ArrayList<Cabin> cabins, Director director, LocalDate startDate, LocalDate endDate)
+ Camp(UUID id, ArrayList<Cabin> cabins, Director director, LocalDate startdate, LocalDate endDate)
+ getId(): UUID
+ getCabins(): ArrayList<Cabin>
+ getDirector(): Director
+ getStartDate(): LocalDate
+ getEndDate(): LocalDate
+ toString(): String
DataReader
-title: String
-directory: String
+getAllUsers(ArrayList<User>)
+getAllCamps(ArrayList<Camps>)
Director
+ biography: String
+ Director(String username, String password, String email, String firstName, String lastName, String biography)
+ Director(UUID userID, String firstName, String lastName, String biography)
+ getBiography(): String
+ viewCamp(Camp camp): String
User
- userID(): UUID
username: String
email: String
firstName: String
lastName: String
userType: int
registrations: ArrayList<Registration>
+ User(String username, String password, String email, String firstName, String lastName, int userType)
+ User(UUID userID, String firstName, String lastName, int userType)
+ User(UUID userID, String firstName, String lastName, int userType, ArrayList<Registration> registrations)
+ getUserID(): UUID
+ getUsername(): String
+ getPassword(): String
+ getEmail(): String
+ getFirstName(): String
+ getLastName(): String
+ getUserType(): int
+ getRegistrations: ArrayList<Registration>
<<enumeration>>
Permissions
REGISTER
WRITESCHEDULE
READSCHEDULE
READBLOG
WRITEBLOG
CABIN
UI
- scanner: Scanner
- directors: Directoers
- guardians: Guardians
- counselors: Counselors
- campers: Campers
- cabins: Cabins
- schedules : Schedules
- quit: boolean
+ run(): void
- displayMenu(): int
- displayLogin(): void
- displayRegisterGuardian(): void
- displayRegisterCounselor(): void
- displayGaurdianMenu(): void
- displayDirectormenu(): void
- displayCounselorMenu(): void
- displayRegisterCamper(): void
- displayRegisterCamper(int theme): void
- displayRegisteredCampers(): void
- displayCounselors(): void
- displaySchedule(int week): void
- displayListOfThemes(): void
- themes(): void
- displayRegisterContacts(): ArrayList<Contact>
- displayRegisterContact(): Contact
- clear(): void
AccountFacade
+ createAccount() : User
+ login() : void
+ viewCabin() : void
+ viewSchedule() : void
DataLoader
+ loadActivites(): ArrayList<Activity>
+ loadCabins(): ArrayList<Cabin>
+ loadSchedules(): ArrayList<Schedule>
+ loadCounselors(): ArrayList<Counselor>
+ parseContactJSON(JSONObject obj, String type): ArrayList<Contact>
+ loadCamps(): ArrayList<Camp>
+ loadRegistrations(): ArrayList<Registrations>
+ loadUsers(): ArrayList<User>
Activities
- activities: Activites
- activityList: ArrayList<Activity>
-Activities()
+ getInstance(): Activities
+ getActivities(): ArrayList<Activity>
+ haveActivity(String activityName): boolean
+ addActivity(String name, String description): boolean
+ save(): void
Schedule
- id: UUID
+ activities: ArrayList<Activity>
+ day: String
+ cabin: String
+ Schedule(ArrayList<Activity> activites, String day, String cabin)
+ Schedule(UUID id, ArrayList<Activity> activites, String day2, String cabin2)
+ getID(): UUID
+ getActivites(): ArrayList<Activity>
+ getDad(): String
+ getCabin(): String
+ toString(): String
Counselor
- id: UUID
+ biography: String
+ birthdate: Date
+ hometown: String
+ gender: String
+ contact: ArrayList<Contact>
+ pediatrician: Contact
+ Counselor(String biography, Strinng password, String email, String firstName, String lastName, String biography, String birthdate, String hometown, String gender, ArrayList<Contact> contacts, Contact pediatrician)
+ Counselor(UUID id, UUID userID, String firstName, String lastName, string biography, String birthdate, String hometown, String gender, ArrayList<Contact> contacts, Contact pediatrician)
+ getID(): UUID
+ getBiography(): String
+ getBirthdate(): String
+ getHometown(): String
+ getGender(): String
+ getContacts(): ArrayList<Contact>
+ getPediatrician(): Contact
+ getUserType(): int
Contact
- phone: int
- firstName: String
- lastName: String
- address: String
+ Contact(int phone, String firstName, String lastName, String address)
+ getPhone(): int
+ getFirstName(): String
+ getLastName(): String
+ getAddress(): String
Guardian
- userID: UUID
+ registrations: ArrayList<Registration>
+ Guardian(UUID userID, String firstName, String lastName, int userType, ArrayList<Registration> registrations)
+ getUserType(): int
Registration
- id: UUID
+ campID: UUID
+ camperID: UUID
+ price: Double
+ Registration(UUID campID, UUID camperID, Double price)
+ Registration(UUID id, UUID campID, UUID camperID, Double price)
+ getID(): UUID
+ getCampID(): UUID
+ getCamperID(): UUID
+ getPrice(): Double
Users
- users: Users
- userList: ArrayList<User>
-Users()
+ getInstance(): Users
+ getUsers(): ArrayList<User>
+ haveUser(String username): boolean
+ addUser(String username, String password, String email, String firstName, int type): boolean
+ save(): void
Cabins
- cabins: Cabins
- cabinsList: ArrayList<Cabin>
-Cabins()
+ getInstance(): Cabins
+ getCabins(): ArrayList<Cabin>
+ haveCabin(String cabinName): boolean
+ addCabin(ArrayList<Camper> campers, ArrayList<counselor> counselors, String name, int beds): boolean
+ save(): void
Cabin
- id: UUID
+ campers: ArrayList<Camper>
+ counselors: ArrayList<Counselor>
+ name: String
+ beds: int
+ Cabin(ArrayList<Camper> campers, ArrayList<Counselor> counselors, String name, int beds)
+ Cabin(UUID id, ArrayList<Camper> campers, ArrayList<Counselor> counselors, String name, int beds)
+ toString(): String
+ getID(): UUID
+ getName(): String
+ getBeds(): Int
+ getCampers(): ArrayList<Campers>
+ getCounselors(): ArrayList<Counselor>
Activity
- id: UUID
+ name: String
+ description: String
+ Activity(String name, String description)
+ Activity(UUID id, String name, String description)
Camper
- id: UUID
+ birthdate: Date
+ gender: String
+ firstname: String
+ lastName: String
+ address: String
+ guardian: Guardian
+ allergies: ArrayList<String>
+ contact: Contact
+ pediatrician: Contact
+ Camper(String birthdate2, String gender, String firstName, String lastName, String address, Guardian guardian, ArrayList<String> allergies, Contact contact, Contact pediatrician)
+ Camper(UUID id, String birthdate, String gender, String firstName, String lastName, String address, Guardian guardian, ArrayList<String> allergies, Contact contact, Contact pediatrician)
+ getFirstName(): String
+ getLastName(): String
+ getID(): UUID
+ getBirthdate(): Date
+ getGender(): String
+ getGuardian(): Guardian
+ getAllergies(): ArrayList<String>
+ getContact(): Contact
+ getPediatrician(): Contact
+ setFirstName(String name): void
+ setLastName(String name): void
Campers
- campers: Campers
- camperList: ArrayList<Campers>
-Campers()
+ getInstance(): Campers
+ getCampers(): ArrayList<Campers>
+ haveCamper(String firstName, String lastName): boolean
+ addCamper(String birthdate, String gender, String firstName, String lastName, String address, Guardian guardian, ArrayList<String> allergies, Contact contact, Contact pediatrician): boolean
+ save(): void
Camps
- camps: Camps
- campList: ArrayList<Camp>
-Camps()
+ getInstance(): Camps
+ getCamps(): ArrayList<Camp>
+ haveCamp(LocalDate start, LocalDate end): boolean
+ addCamp(ArrayList<Cabin> cabins, Director director, LocalDate startDate, LocalDate endDate): boolean
+ save(): void
+ getById(ArrayList<Camp> camps, UUID id): Camp
Counselors
- counselors: Counselors
- counselorList: ArrayList<Counselor>
-Counselors()
+ getInstance(): Counselors
+ getCounselors(): ArrayList<Counselor>
+ haveCounselor(String username): boolean
+ findCounselor(String username, String password): Counselor
+ addCounselor(String username, String password, String email, String firstName, String biography, String birthdate, String hometown, String gender, ArrayList<Contact> contacts, Contact pediatrician)
+ save(): void
Schedules
- schedules: Schedules
- scheduleList: ArrayList<Schedule>
-Schedules()
+ getInstance(): Schedules
+ getSchedules(): ArrayList<Schedule>
+ addSchedule(ArrayList<Activity> activities, String day, String cabin): boolean
+ save(): void
+ generateSchedule(ArrayList<Avtivity> activites, Camp camp, Cabins cabin): void
Registrations
- registrations: Registrations
- registrationList: ArrayList<Registration>
-Registrations()
+ getInstance(): Registrations
+ getRegistrations(): ArrayList<Registrations>
+ addRegistration(Camp camp, Camper camper, double price): boolean
+ save(): void