

Logic Tier

AccountManager

- facebookAccessToken : String

- googleAccessToken : String

+ setFacebookToken(clientID : String, apiKey : String) : boolean

+ setGoogleToken(clientID : String, apiKey : String) : boolean

+ getFacebookAccessToken() : String

+ getGoogleAccessToken() : String

ReviewHandler

+ getPlaceReviews(venue : Venue) : List<Review>

+ getUsersReview(user : User) : List<TripLocation>

+ addRevivew(venue: Venue)

+ deleteReivew(venue: Venue, reviewID: UUID)

FireBaseManager

- uuid : UUID

- email : String

- public key : String

- private token : String

- register date: Date

- firstName : String

- lastName: String

+ tryLogin(username: String, password: String) : boolean

+ registerUser(username: String, email: String, password: String) : boolean

+ getUserSet(UUID...) : Set<String>

+ getUser(userName: String) : String

+ findUserByPublicKey(key: UUID) : String

+ findUserByToken(token: String): Date

+ getters and setters()

+ toString()

UserDataManager

+ getUserTripLogs(user : User) : List<TripLog>

+ getUserHistory(user : User) : List<TripLocation>

+ getUserPreferences(user : User) : JSONObject

+ getUserFavorites(user: User) : List<Favorite>

+ getUserReviews(user : User) : List<Review>

+ getters and setters()

+ toString()

TripManager

- tripOrigin : String

- tripDestination : String

- tripDate : Date

- otherData : TripData

+ gatherAvailableServices(airportCode : String) : List<Service>

+ switchCities() : TripData

+ startInfoActivity(view: Controller)

+ getters and setters()

+ toString()

LodeStarVenueExplorer

- int availableVenues : int

+ getNearbyVenues(category : String, longitude : float, latitude : float) : Venue

+ getReview(venue : Venue)

+ getStreetAddress(venue : Venue) : String

+ getVenueCoordinates(venue: Venue) : Coordinate Tuple

LodeStarVRImagery

- imageQuality : int

- direction : double

- fieldOfView : double

+ getStreetViewImage(quality : int, longitude : float, latitude : float) : Image

LodeStarCurrency

- localCurrencyCode : String

- foreignCurrencyCode : String

- localOverForeignCurrency : double

- foreignOverLocalCurrency : double

+ getCurrencyInfo(foreignCurrencyCode : String, localCurrencyCode : String) : JSONObject

DockerEngine

- LodeStarVRImagery : DockerImage

- LodeStarWeather : DockerImage

- LodeStarVenueExplorer : DockerImage

- LodeStarFlightStatus : DockerImage

- LodeStarLivingExpenses : DockerImage

+ startImage(image: DockerImage)

+ stopImage(image: DockerImage)

+ startImages()

+ stopImages()

+ getRunningInstances()

LodeStarWeather

- units : String

+ getWeatherForecast(city : String, units: String) : List<JSONObject>

LodeStarFlightStatus

- originAirportCode : String

- destinationAirprtCode : String

- flightNumber : String

+ getFlightDetails(originAirportCode : String, destinationAirportCode: String, flightNo : String) : JSONObject

LodeStarLivingExpenses

- localMeal : double

- bigMac : double

- oneLiterCoke : double

- averageHotel : double

-others : Map<String, Double>

+ getLivingExpenses(city : String)

LodeStarTransportationInformation

- origin : Coordinate

- destination : Coordinate

+ getAvailableTransportationOptions(origin: Coordinate, destination: Coordinate)