

Sticky Note

Event Functions

Preconditions: Valid Event object

+ createEvent(Event): void

Postconditions: Event is created in the system

Preconditions: Valid Event object

+ updateEvent(Event): Event

Postconditions: Updated Event object is returned

Preconditions: Valid Event object, Valid Location object

+ addLocation(Event, Location): void

Postconditions: Location is added to the Event

Preconditions: Valid Event object, Valid Location object

+ updateLocation(Event, Location): Event

Postconditions: Updated Event object with the new Location

Preconditions: Valid Event object, Valid User object

+ addGuest(User): void

Postconditions: User is added to the guest list of the Event

Preconditions: Valid Event object, Valid User object

+ removeGuest(User): void

Postconditions: User is removed from the guest list of the Event

Preconditions: Valid Event ID

+ findEventById(String): Event

Postconditions: Returns the Event with the specified ID

Preconditions: Valid Event ID

+ findFavoriteFoodsOfGuests(String): List<String>

Postconditions: Returns a list of favorite foods of guests attending the Event

Preconditions: Valid Event ID

+ findAllergiesOfGuests(String): List<String>

Postconditions: Returns a list of allergies of guests attending the Event

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User Functions:

Preconditions: Valid User object

+ createUser(User): void

Postconditions: User is created in the system

Preconditions: Valid User object

+ updateUser(User): User

Postconditions: Updated User object is returned

Preconditions: Valid User ID

+ findUserById(String): User

Postconditions: Returns the User with the specified ID

Preconditions: Valid User ID

+ findDietHabitById(String): String

Postconditions: Returns the diet habit of the User

Preconditions: Valid User ID

+ findFavoriteFoodsById(String): String

Postconditions: Returns the favorite foods of the User

Preconditions: Valid User ID

+ findAllergiesById(String): String

Postconditions: Returns the allergies of the User

Preconditions: Valid User ID

+ findNameById(String): String

Postconditions: Returns the name of the User

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Community Functions:

Preconditions: Valid Community object

+ createCommunity(Community): void

Postconditions: Community is created in the system

Preconditions: Valid Community object

+ updateCommunity(Community): Community

Postconditions: Updated Community object is returned

Preconditions: Valid Community object, Valid User object

+ addMember(User): void

Postconditions: User is added to the community

Preconditions: Valid Community object, Valid User object

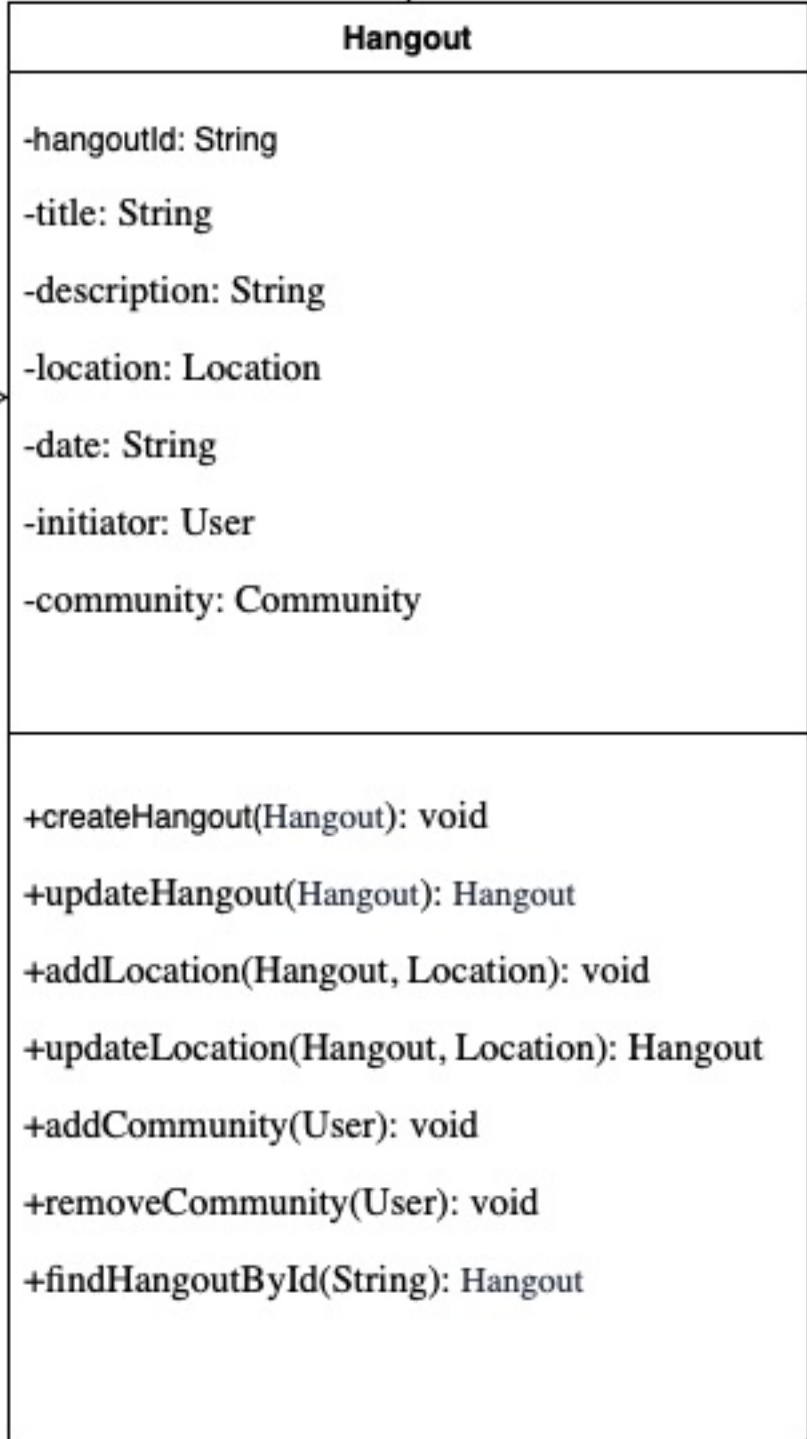
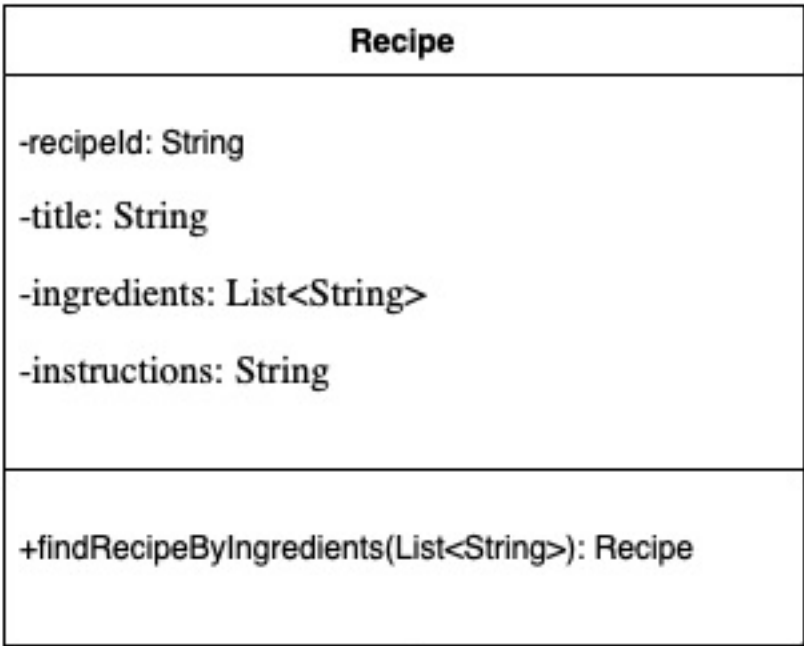
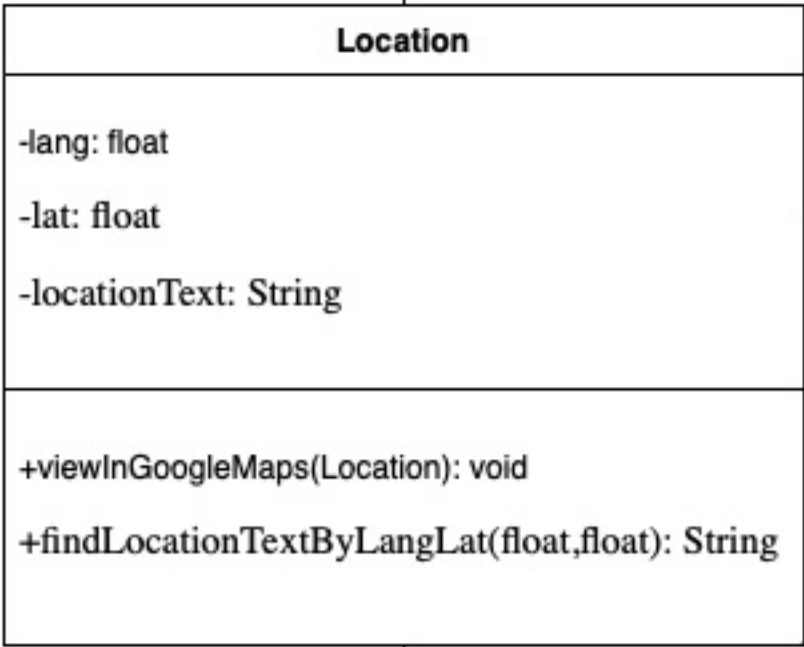
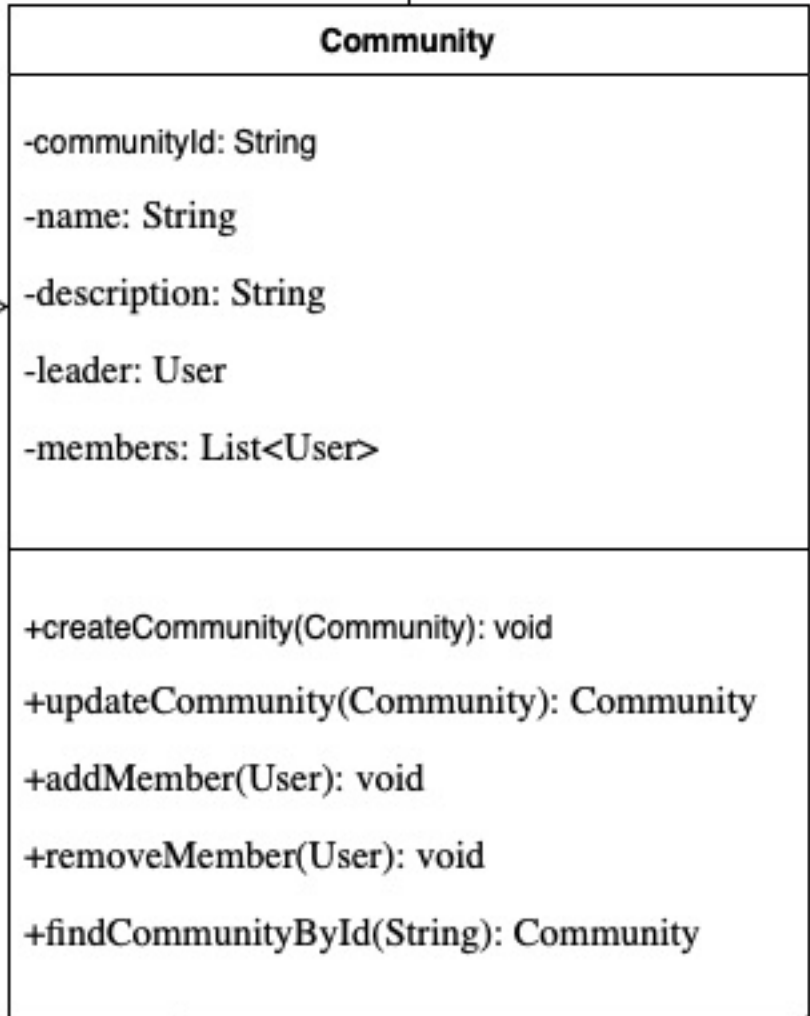
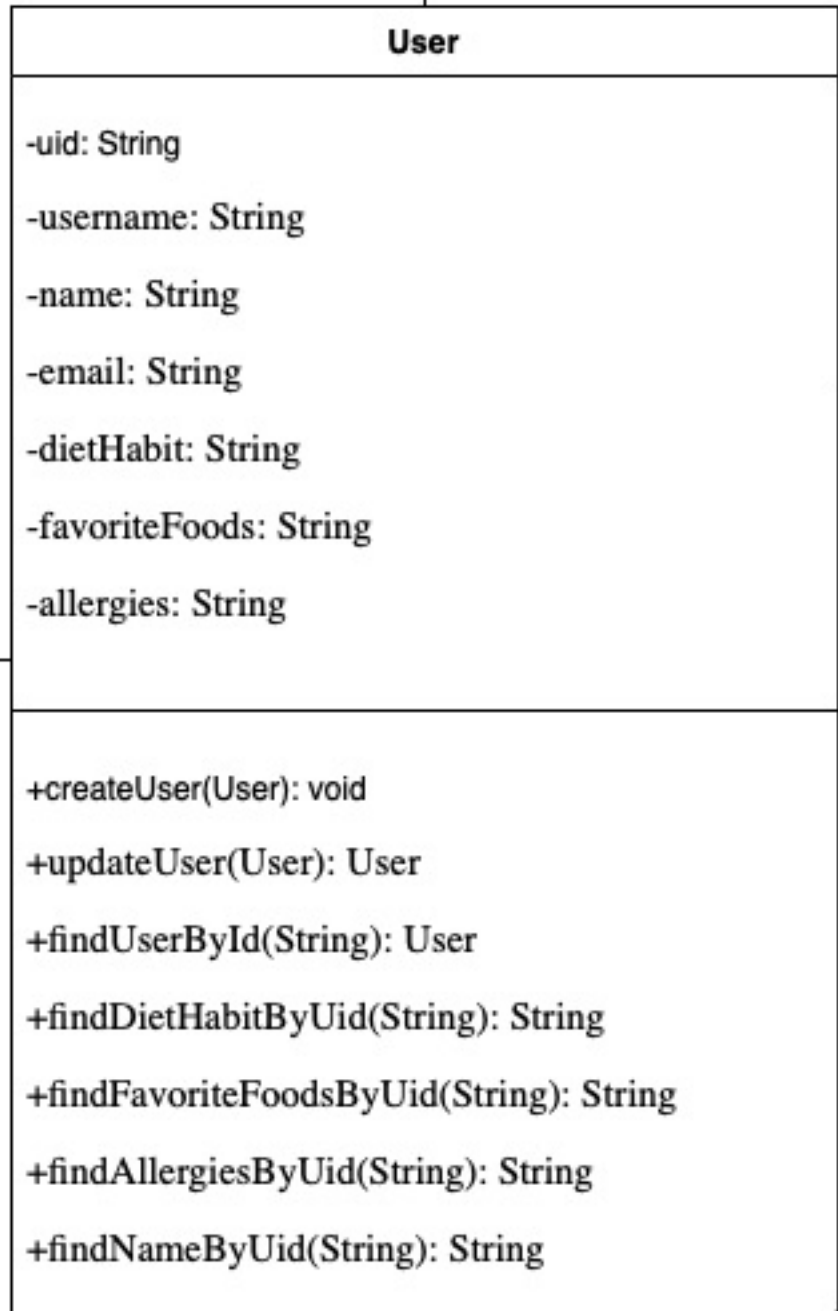
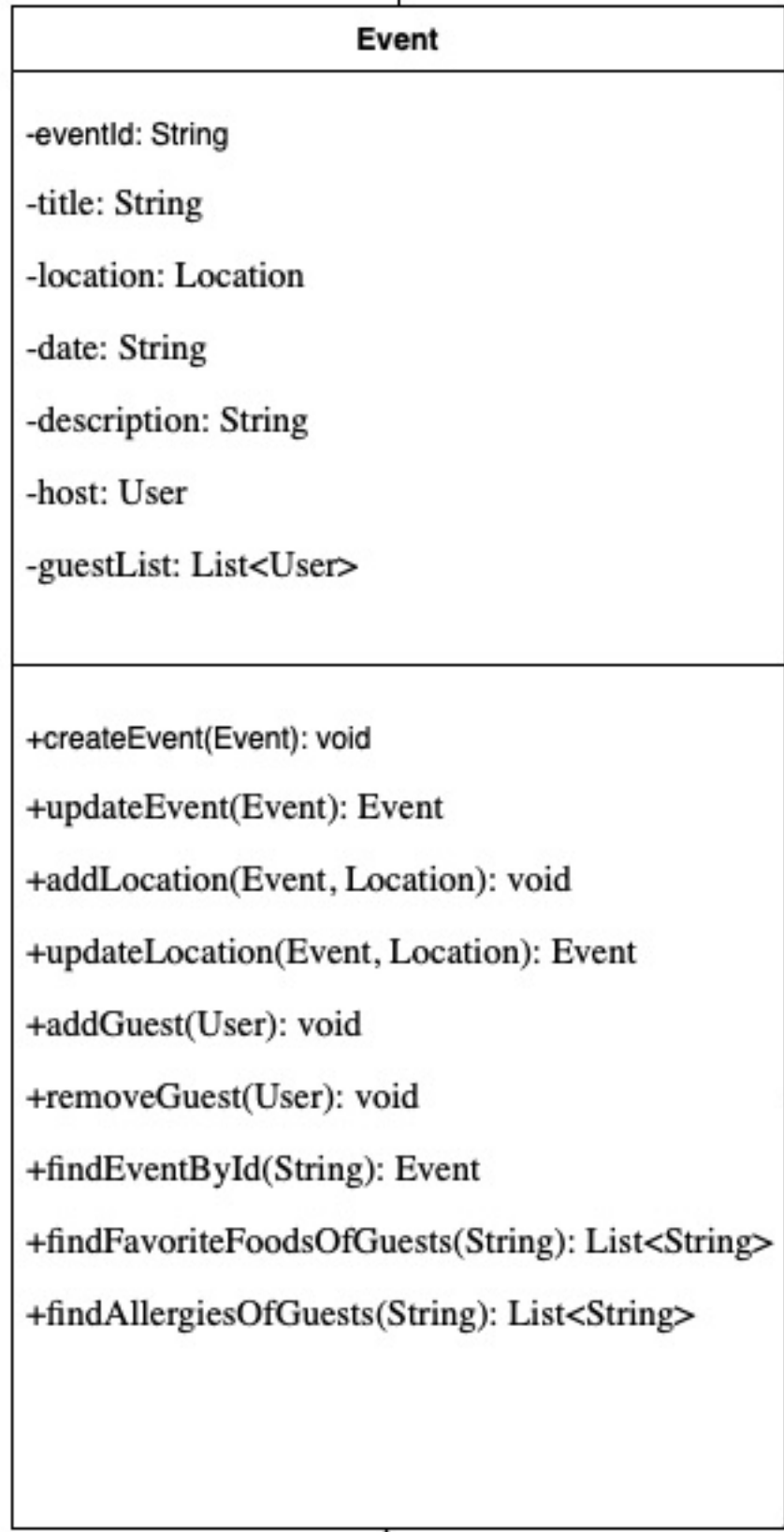
+ removeMember(User): void

Postconditions: User is removed from the community

Preconditions: Valid Community ID

+ findCommunityById(String): Community

Postconditions: Returns the Community with the specified ID



Sticky Note:

Hangout Functions:

Preconditions: Valid Hangout object

+ createHangout(Hangout): void

Postconditions: Hangout is created in the system

Preconditions: Valid Hangout object

+ updateHangout(Hangout): Hangout

Postconditions: Updated Hangout object is returned

Preconditions: Valid Hangout object, Valid Location object

+ addLocation(Hangout, Location): void

Postconditions: Location is added to the Hangout

Preconditions: Valid Hangout object, Valid Location object

+ updateLocation(Hangout, Location): Hangout

Postconditions: Updated Hangout object with the new Location

Preconditions: Valid Hangout object, Valid User object

+ addCommunity(User): void

Postconditions: User is added to the community of the Hangout

Preconditions: Valid Hangout object, Valid User object

+ removeCommunity(User): void

Postconditions: User is removed from the community of the Hangout

Preconditions: Valid Hangout ID

+ findHangoutById(String): Hangout

Postconditions: Returns the Hangout with the specified ID

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Location Functions:

Preconditions: Valid Location object passed as an argument.

+viewInGoogleMaps(Location): void

Postconditions: Opens Google Maps with the specified location.

Preconditions: Valid latitude (lat) and longitude (lang) values passed as arguments.

+findLocationTextByLangLat(float,float): String

Postconditions: Returns a string representing the location text based on the provided latitude and longitude.

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Recipe Functions:

Preconditions: Valid list of ingredients passed as an argument.

viewInGoogleMaps(Location): void

Postconditions: Returns a Recipe object that matches the provided list of ingredients.