class User {

- String username

- String password

- String name

- String email

- String profilePicture

- String bio

- List<TouristSpot> favoriteSpots

- List<Review> reviews

- List<Rating> ratings

- String token

+ User(String username, String password, String name, String email, String profilePicture, String bio)

+ login(String username, String password): String

+ logout(): Void

+ getUserProfile(): User

+ editUserProfile(String name, String email, String profilePicture, String bio): Void

+ deleteUserProfile(): Void

+ addTouristSpot(TouristSpot spot): Void

+ removeTouristSpot(TouristSpot spot): Void

+ addReview(Review review): Void

+ addRating(Rating rating): Void

}

class Admin {

- String username

- String password

- String token

+ Admin(String username, String password): Void

+ login(String username, String password): String

+ logout(): Void

+ addTouristSpot(TouristSpot spot): Void

+ removeTouristSpot(TouristSpot spot): Void

}

class TouristSpot {

- String name

- String location

- String description

- List<String> images

- List<Review> reviews

- List<Rating> ratings

- double price

+ TouristSpot(String name, String location, String description, List<String> images, double price)

+ getName(): String

+ getLocation(): String

+ getDescription(): String

+ getImages(): List<String>

+ getPrice(): double

+ getReviews(): List<Review>

+ getRatings(): List<Rating>

+ addReview(Review review): Void

+ addRating(Rating rating): Void

}

class Review {

- String title

- String description

- User user

- Date date

+ Review(String title, String description, User user, Date date)

+ getTitle(): String

+ getDescription(): String

+ getUser(): User

+ getDate(): Date

}

class Rating {

- int rate

- User user

- Date date

+ Rating(int rate, User user, Date date)

+ getRate(): int

+ getUser(): User

+ getDate(): Date

}

class SearchEngine {

+ searchSpots(String keyword): List<TouristSpot>

+ sortSpotsByPrice(List<TouristSpot> spots): List<TouristSpot>

}

class TicketBooking {

+ bookTicket(TouristSpot spot, User user): Void

}

----------------------------------------------

| User |

----------------------------------------------

| - userId: int |

| - username: String |

| - password: String |

----------------------------------------------

| + login(username: String, password: |

| String): boolean |

| + logout(): void |

| + editProfile(): void |

| + viewProfile(): void |

| + deleteProfile(): void |

| + searchTouristSpot(keyword: String): |

| List<TouristSpot> |

| + rateTouristSpot(touristSpot: |

| TouristSpot, rating: int): void |

| + reviewTouristSpot(touristSpot: |

| TouristSpot, review: String): void |

| + bookTicket(touristSpot: TouristSpot): |

| void |

----------------------------------------------

----------------------------------------------

| Admin |

----------------------------------------------

| - adminId: int |

| - username: String |

| - password: String |

----------------------------------------------

| + login(username: String, password: |

| String): boolean |

| + logout(): void |

| + addTouristSpot(touristSpot: |

| TouristSpot): void |

| + deleteTouristSpot(touristSpot: |

| TouristSpot): void |

| + viewProfile(): void |

| + editProfile(): void |

| + viewUserProfiles(): List<User> |

| + deleteUserProfile(user: User): void |

----------------------------------------------

----------------------------------------------

| TouristSpot |

----------------------------------------------

| - spotId: int |

| - name: String |

| - description: String |

| - location: String |

| - price: double |

| - rating: double |

----------------------------------------------

| + setName(name: String): void |

| + setDescription(description: String): |

| void |

| + setLocation(location: String): void |

| + setPrice(price: double): void |

| + setRating(rating: double): void |

----------------------------------------------

----------------------------------------------

| Review |

----------------------------------------------

| - reviewId: int |

| - user: User |

| - touristSpot: TouristSpot |

| - reviewText: String |

----------------------------------------------

| + getUser(): User |

| + setUser(user: User): void |

| + getTouristSpot(): TouristSpot |

| + setTouristSpot(touristSpot: |

| TouristSpot): void |

| + getReviewText(): String |

| + setReviewText(reviewText: String): void |

----------------------------------------------

----------------------------------------------

| Ticket |

----------------------------------------------

| - ticketId: int |

| - user: User |

| - touristSpot: TouristSpot |

----------------------------------------------

| + getUser(): User |

| + setUser(user: User): void |

| + getTouristSpot(): TouristSpot |

| + setTouristSpot(touristSpot: |

| TouristSpot): void |

Class abstrak tempat wisata

tempat wisata, meseum(pengelompokan)

Class role pengguna

admin dan pengguna biasa