Throne API Definition

API Overview

Current API

```
GET        /washrooms
POST       /washrooms
GET        /washrooms/<id>
GET        /washrooms/<id>/reviews
POST       /washrooms/<id>/reviews
GET        /reviews/<id>
PUT        /reviews/<id>
GET        /buildings
GET        /buildings/<id>
GET        /buildings/<id>/washrooms
GET        /users
GET        /users/<id>
GET        /users/<id>/reviews
GET        /users/reviews
POST       /users/favorites
DELETE     /users/favorites
PUT        /users/preferences
```

Future API Additions

```
DELETE     /reviews/<id>
```

Main Objects

```
Washroom: {
    id:
    building_id:
    building_title:
    comment:
    location: {
        latitude:
        longitude:
    }
    floor:
    gender: men | women | all
    stall_count:
    urinal_count:
    review_count:
    is_favorite:
    overall_rating:
    average_ratings: {
        cleanliness:
        privacy:
        ...
    }
    amenities: []
    created_at:
}
```

```
Building: {
    id:
    title:
    location: {
        latitude:
        longitude:
    }
    overall_rating:
    best_ratings: {
        cleanliness:
        privacy:
        ...
    }
    maps_service_id:
    created_at:
    washroom_count:
}
```

```
Review: {
    id:
    washroom_id:
    user:
    ratings: {
        cleanliness:
        privacy:
        ...
    }
    comment:
    upvote_count:
    User: <User object>
    created_at:
}
```

```
User: {
    id:
    username:
    profile_picture:
    preferences: {
        gender:
        wheelchair_access:
        ...
    }
    created_at:
}
```

API Details

GET	/washrooms
description	Get a list of nearby washrooms
query parameters (optional)	latitude longitude radius (in kilometers) max_results amenities
return	[Washroom Objects]

POST	/washrooms
description	Create a new washroom in an existing building
parameters	
body	Washroom details (Washroom_title, latitude, longitude, building_id, etc…)
return	Washroom Object

GET	/washrooms/<id>
description	Get the details of a specific washroom
parameters	washroom_id
return	Washroom Object

GET	/washrooms/<id>/reviews
description	Get a list of reviews for a washroom
parameters	washroom_id
return	[Review Objects]

POST	/washrooms/<id>/reviews

description	Create a new review for an existing washroom
parameters	washroom_id
body	Review details (comment, ratings, etc…)
return	Review Object

GET	/reviews/<id>
description	Get the details of a specific review
parameters	review_id
return	Review Object

PUT	/reviews/<id>
description	Update an existing review
parameters	review_id
body	Review details (text, ratings, etc…)
return	Updated Review Object

GET	/buildings
description	Get a list of nearby buildings
query parameters	latitude longitude radius (in kilometers) max_mesults
return	[Building Objects]

GET	/buildings/<id>
description	Get the details of a specific building
parameters	building_id
return	Building Object

GET	/buildings/<id>/washrooms
description	Get a list of washrooms in a building
parameters	building_id
return	[Washroom Objects]

GET	/users
description	Get the currently authorized user
parameters	
return	User Object

GET	/users/<id>
description	Get the details of a specific user
parameters	user_id
return	User Object (Preferences are hidden for everyone but the currently authorized user)

GET	/users/<id>/reviews
description	Get a list of past reviews for a user
parameters	review_id
return	[Review Objects]

GET	/users/reviews
description	Get a list of past reviews for the currently authorized user
parameters	
return	[Review Objects]

POST	/users/favorites

description	Create a favorite for the currently authorized user
parameters	
body	washroom_id
return	[Washroom Objects] (All the favorites for this user + the new one)

DELETE	/users/favorites
description	Delete a favorite for the currently authorized user
parameters	
body	washroom_id
return	<Success code, empty body>

PUT	/users/preferences
description	Update user preferences for the currently authorized user
parameters	
body	The updated preferences (Gender, wheelchair_access, main_floor_access)
return	User Object (With the updated preferences)

Future API Additions

DELETE	DELETE /reviews/<id>
description	Delete an existing washroom review
parameters	review_id
body	
return	<Success code, no body>