

point descriptions of each class/function

Class Contracts in contracts.py:

```
class ErrorCodes:
    USER_NOT_LOGGED_IN = 1
    OBJECT_NOT_SAVED = 2

class SessionParameters:
    USERID = 'userid'

class RecommendationContractRequest:
    """ RECOMMENDATION PAYLOAD FIELDS """
    OCCASION_KEY = "occasion"
    CITY_KEY = "city"

class RecommendationContractResponse:
    LINKS = "links"

class PreferenceContractRequest:
    PREFERENCES = "preferences"
```

Class ErrorCodes : has error codes mapped to specific constants which specify different error scenarios.

Class SessionParameters: to be used as keys in flask sessions as session is a python dictionary and the keys should be variables so that we follow good coding practices.

Class RecommendationContractRequest : specifies the keys in the json payload of RecommendationContract.

Class RecommendationContractResponse: specifies the keys in the json response of RecommendationContractResponse

Class PreferenceContractRequest: specifies the keys in the request to add preferences in the preference APIs.

```
class PreferencesHelper:
```

Class to give the preferences of a user based on occasion and user id. It fetches the preferences from the database.

```
class WeatherHelper:
```

Class WeatherHelper is the wrapper class to call the weather api and return the weather of a particular city.

```
class RecommendationHelper:
```

This class helps to get recommendations for a particular user with a userid.

```
class WeatherAPI:
```

Wrapper class which actually calls the weatherAPI.

```
class QueryBuilder:
```

Class to build query to search images related to a particular customer

```
class SearchImages:
```

Class to call the search api based on the query made by occasion, preferences.

```
class User(db.Model, UserMixin):
```

Model class for User.

```
class Preference(db.Model, UserMixin):
```

Model class of user to store user preferences.

```
class Shopping:
```

This class helps to get shopping links for particular recommendation result

```
class Favourite:
```

This class helps to get favourite for a particular user with a userid.