DOMIAN: "https://netflix-ds501.herokuapp.com"

REST API ENDPOINTS

NOTE: All endpoints support only GET requests.

Autocomplete Adults

'/autocomplete_adults/<string:search_query>'

Example: /autocomplete_adults/order

Autocomplete Kids

'/autocomplete_kids/<string:search_query>'

Example: /autocomplete_kids/order

Pagination Movie

'/pagination_movie/<int:pagesize>/<int:pageno>'

Example: /pagination_movie/5/1

Pagination TV

'/pagination_tv/<int:pagesize>/<int:pageno>'

Example:/pagination_tv/5/1

Exact Match

'/exact_match/<string:field>/<string:value>'

Example: /exact_match/director/Ross Venokur

PREFIX MATCH

'/prefix_match/<string:search_query>'

Example: /prefix_match/after

Genre Match Endpoint

```
'/genre_match/<string:boolean_query>'
Example: genre_match/dramas AND thrillers
```

Analyzers Used

```
"analyzer": {
        "keyword_analyzer": {
          "filter": [
            "lowercase"
          ],
          "type": "custom",
          "tokenizer": "keyword"
        },
        "lowercase_analyzer": {
          "filter": [
            "lowercase"
          ],
          "type": "custom",
          "tokenizer": "standard"
        },
        "ngram_analyzer": {
          "filter": [
            "lowercase",
            "4_grams"
          ],
          "type": "custom",
          "tokenizer": "standard"
        }
      }
    }
```

FILTERS USED

```
"filter": {
            "4_grams": {
                "type": "ngram",
                "min_gram": 4,
                "max_gram": 4
            }
        }
"
```

TOKENIZERS USED

Standard tokenizer

QUERY TYPES USED

Autocomplete Adults

Multi_match query with type as "phrase_prefx"

Autocomplete Kids

Bool query with Multi_match query with type as "phrase_prefx"

Pagination Movie

Term query with sort

Pagination TV

Term query with sort

Exact Match

Match_phrase query

PREFIX MATCH

Query_string query with default_field as description

Genre Match Endpoint

Query_string query with default_filed as listed_in

MAPPING

```json
{
    "settings": {
        "analysis": {
            "analyzer": {
                "ngram_analyzer": {
                    "type": "custom",
                    "tokenizer": "standard",
                    "filter": [
                        "lowercase",
                        "4_grams"
                    ]
                },
                "lowercase_analyzer": {
                    "type": "custom",
                    "tokenizer": "standard",
                    "filter": [
                        "lowercase"
                    ]
                },
                "keyword_analyzer": {
                    "type": "custom",
                    "tokenizer": "keyword",
                    "filter": [
                        "lowercase"
                    ]
                }
            },
```

```json
        "filter": {
            "4_grams": {
                "type": "ngram",
                "min_gram": 4,
                "max_gram": 4
            }
        }
    },
    "number_of_shards": 1,
    "number_of_replicas": 0
},
"mappings": {
    "properties": {
        "type": {
            "type": "keyword"
        },
        "title": {
            "type": "text",
            "analyzer": "lowercase_analyzer",
            "fields": {
                "keyword": {
                    "type": "keyword"
                }
            }
        },
        "director": {
            "type": "text",
            "analyzer": "ngram_analyzer",
            "fields": {
                "keyword": {
                    "type": "keyword"
                }
            }
        },
```

```json
        "cast": {
            "type": "text",
            "analyzer": "lowercase_analyzer",
            "fields": {
                "keyword": {
                    "type": "keyword"
                }
            }
        },
        "country": {
            "type": "text",
            "analyzer": "lowercase_analyzer",
            "fields": {
                "keyword": {
                    "type": "keyword"
                }
            }
        },
        "date_added": {
            "type": "text",
            "analyzer": "lowercase_analyzer",
            "fields": {
                "keyword": {
                    "type": "keyword"
                }
            }
        },
        "release_year": {
            "type": "short",
            "fields": {
                "keyword": {
                    "type": "keyword"
                }
            }
```

```
        },
        "rating": {
            "type": "keyword",
            "fields": {
                "keyword": {
                    "type": "keyword"
                }
            }
        },
        "duration": {
            "type": "text",
            "analyzer": "lowercase_analyzer",
            "fields": {
                "keyword": {
                    "type": "keyword"
                }
            }
        },
        "listed_in": {
            "type": "text",
            "analyzer": "lowercase_analyzer",
            "fields": {
                "keyword": {
                    "type": "keyword"
                }
            }
        },
        "description": {
            "type": "text",
            "analyzer": "lowercase_analyzer",
            "fields": {
                "keyword": {
                    "type": "keyword"
                }
```

```
                    }
                }
            }
        }
}
```