Code Complexity Report

Source file: **./backend/__init__.py**
Source file: **./backend/asgi.py**
Source file: **./backend/settings.py**
Source file: **./backend/urls.py**
Source file: **./backend/wsgi.py**
Source file: **./todo/crawlers/crawler.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
convert	2	6	31	1
main	4	12	141	0

Source file: **./todo/crawlers/remove.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
remove_adult	2	5	52	0

Source file: **./todo/migrations/0001_initial.py**
Source file: **./todo/migrations/0002_alter_movies_genres_alter_movies_language_and_more.py**
Source file: **./todo/migrations/0003_alter_movies_release_date.py**
Source file: **./todo/migrations/0004_alter_movies_release_date.py**
Source file: **./todo/recommendation/training_code/training_recom.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
tokenize	2	2	27	2
construct_bigrams	2	4	49	2
remove_english_stopwords	4	3	42	3
lemmatization	4	7	78	6
text_process	1	8	49	3
create_corpus	2	6	56	2
generate_lda	1	9	64	7
__init__	2	8	69	6
__doc_x_topics	1	3	22	1
cossine	1	3	41	3
getScore	3	15	128	3
treat_df	1	3	25	1
lda_training	1	9	118	2
create_content_obj	2	6	49	1
fromdf_todict	1	3	24	1
calculate_score	1	4	80	5
movie_recommender	3	13	130	4
id_dict	2	5	41	2
calc_idlist	2	5	36	1
dict_fromdf	3	9	51	1

votes_dict	2	5	54	1
fromdfavgvote_todict	2	5	54	1

Source file: **./todo/recommendation/final_recommender_aux.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
tokenize	2	2	27	2
construct_bigrams	2	4	49	2
remove_english_stopwords	4	3	42	3
lemmatization	4	7	78	6
text_process	1	8	49	3
create_corpus	2	6	56	2
generate_lda	1	9	64	7
__init__	2	8	69	6
__doc_x_topics	1	3	22	1
cossine	1	3	41	3
getScore	3	15	128	3
treat_df	1	3	25	1
lda_training	1	9	118	2
create_content_obj	2	6	49	1
fromdf_todict	1	3	24	1
calculate_score	1	4	80	5
movie_recommender	3	13	130	4
id_dict	2	5	41	2
calc_idlist	2	5	36	1
dict_fromdf	3	9	51	1

Source file: **./todo/recommendation/recommendation_model.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
dict_fromdf	4	12	63	1
load_topic_matrix	1	4	21	1
load_parameters	1	5	29	1
load_mins	2	6	71	1
get_parameters	2	5	24	0
get_recommendations	1	2	12	2

Source file: **./todo/recommendation/recommender.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
cossine	1	3	39	2
calculate_score	1	5	57	5
get_recommendations	4	16	196	2

Source file: **./todo/testudos/recommendation/test_recommender.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
test_cossine_values	1	3	32	3
test_cossine_with_different_dimension	1	3	23	3

Source file: **./todo/testudos/api/test_database.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
test_creation_of_movie	1	9	51	0
test_get_movies	1	11	71	1
insert_movies	1	15	54	0
test_size_database	1	3	21	1
test_first_item_in_database	1	3	23	1
test_popular_movies	1	6	59	1
trial_test	1	3	15	0

Source file: **./todo/testudos/api/api_tests.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
test_creation_of_movie	1	9	47	0

Source file: **./todo/admin.py**

Source file: **./todo/api.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
get	1	2	12	2
get	1	5	47	3
get	1	5	45	4
get	2	8	53	4

Source file: **./todo/apps.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
ready	1	2	6	1

Source file: **./todo/models.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
str	1	2	9	1

Source file: **./todo/serializers.py**

Source file: **./todo/urls.py**

Source file: **./todo/utils.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
getMovieDictionary	4	14	77	2

Source file: **./manage.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
main	2	11	45	0

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