API Documentation Documentation

Auto-generated Documentation $2025\text{-}07\text{-}29\ 00\text{:}04\text{:}03$

Contents

1								
	1.1		nentation Statistics					
	1.2	Projec	t Modules					
2	Cod	le Doc	umentation					
-	2.1		on					
	2.1	2.1.1	setup_loggers					
		2.1.2	PlayerUpdaterinit					
		2.1.2	PlayerUpdater.make_request					
		2.1.3 $2.1.4$	J 1 – 1					
		2.1.4 $2.1.5$	V 1					
			V 1					
		2.1.6	PlayerUpdater.get_particular_player_stats_url					
		2.1.7	PlayerUpdater.get_particular_game_stats_url					
		2.1.8	PlayerUpdater.get_required_matches_for_particular_player					
		2.1.9	PlayerUpdater.compare_and_update					
			PlayerUpdater.fetch_last_games					
			PlayerUpdater.populate_leagues					
			PlayerUpdater.populate_series 8					
		2.1.13	PlayerUpdater.populate_tournament					
		2.1.14	PlayerUpdater.populate_team					
		2.1.15	PlayerUpdater.populate_player 9					
		2.1.16	PlayerUpdater.populate_match					
		2.1.17	PlayerUpdater.populate_game					
		2.1.18	PlayerUpdater.populate_match_result 10					
			PlayerUpdater.populate_round_score					
			PlayerUpdater.populate_player_result					
			PlayerUpdater.populate_player_stats					
			PlayerUpdater.populate_stream					
			PlayerUpdater.main_population					
			run_api_updater					
			get_roster_url					
			fetch_rosters					
			get_player_avg_kills_data					
			0 -1 7 - 0					
			get_margin					
			calculate_odds_kill 14					
			poisson_probabilities					
			create_probability_matrix					
			calculate_total_probabilities					
			calculate_odds_h2h					
			fetch_upcoming_matches					
		2.1.36	DatabaseManagerinit 16					
		2.1.37	DatabaseManager.create_tables					
		2.1.38	DatabaseManager.check_all_table_exists 16					
		2.1.39	DatabaseManager.get_session					
			DatabaseManager.add					
			DatabaseManager.get					
			DatabaseManager.get_all 17					
			DatabaseManager.update					
			DatabaseManager.delete					
			DatabaseManager.clear_all_data					

	2.1.46	DatabaseManager.get_session
	2.1.47	get_db
	2.1.48	PlayerBase.serialize_birthday
		PlayerBase.serialize_modified_at 20
		pp
		dp
		wynik
		roster_url
		fetch_matches
		initialize_api
		get_margin
		calculate_odds
		·
		-1
		calculate_total_probabilities 23
		calculate_odds 22
		fetch_upcoming_matches
		$\texttt{test_league_model} \dots \dots 2^2$
		test_serie_model
		test_team_model
	2.1.66	run_migrations_offline
	2.1.67	run_migrations_online
2.2	Class .	20
	2.2.1	PlayerUpdater
	2.2.2	MatchStatuses
	2.2.3	DatabaseManager
	2.2.4	MatchResult
	2.2.5	Game
	2.2.6	League
	2.2.7	PlayerStats
	2.2.8	Team
	2.2.9	Stream
		Player
		Serie
		RoundScore
		PlayerResult
0.2		
2.3		Function
	2.3.1	upcoming_matches
	2.3.2	all_players_list
	2.3.3	add_player_to_team
	2.3.4	remove_player_from_team 30
	2.3.5	upcoming_matches_with_rosters_and_stats
	2.3.6	match_players_stats
	2.3.7	upcoming_matches
	2.3.8	optimized_fetch_and_aggregate
	2.3.9	predict_stats
	2.3.10	generate_h2h_data 32
	2.3.11	<pre>generate_over_under_data</pre>
		upcoming_matches
		optimized_fetch_and_aggregate
		predict_stats
		•

	2.3.15	generate_h2h_data 34
	2.3.16	generate_over_under_data
2.4		34
	2.4.1	upcoming_matches
	2.4.2	all_players_list
	2.4.3	upcoming_matches_with_rosters_and_stats
	2.4.4	match_players_stats
	2.4.5	upcoming_matches
	2.4.6	optimized_fetch_and_aggregate
	2.4.7	upcoming_matches
	2.4.8	optimized_fetch_and_aggregate
2.5	_	1 = = = 00 0
2.5	2.5.1	
		-1 V
	2.5.2	predict_stats
	2.5.3	generate_h2h_data
	2.5.4	generate_over_under_data
	2.5.5	predict_stats
	2.5.6	generate_h2h_data 39
	2.5.7	generate_over_under_data
2.6	Delete	39
	2.6.1	remove_player_from_team 40
2.7	Middle	ware 40
	2.7.1	app.middleware
	2.7.2	app.middleware
2.8	Router	· Inclusion
	2.8.1	app.router_inclusion
	2.8.2	app.router_inclusion
	2.8.3	app.router_inclusion
2.9	Pydant	tic Model
	2.9.1	LeagueBase
	2.9.2	SerieBase
	2.9.3	GameBase
	2.9.4	PlayerBase
	2.9.5	PlayerStatsBase
	2.9.6	PlayerResultBase
	2.9.7	StreamBase 42
	2.9.1	RoundScoreBase
	2.9.9	
	2.9.10	
		TournamentBase
		MatchResultBase
		PlayerBase
		StreamBase
		RoundScoreBase
		PlayerResultBase
		MatchBase
		LeagueBase
	2.9.20	TeamBase
	2.9.21	GameBase
	2.9.22	TournamentBase
	2.9.23	PlayerStatsBase
	2.9.24	SerieBase

	2.10	Classmethod	45								
		2.10.1 PlayerBase.from_orm	45								
	2.11	Metadata	46								
		2.11.1 app	46								
3	UML Diagrams 46										
	3.1	Diagram Analysis	46								
	3.2	Main Diagram	46								
	3.3	Additional Diagrams	48								
		3.3.1 Sequence Diagram	48								
		3.3.2 Component Diagram	48								
4	Coverage Analysis 49										
	4.1	Function Coverage	49								
	4.2	Class Coverage	49								
	4.3	Async Function Coverage	49								
	4.4	Get Coverage	49								
	4.5	Post Coverage	49								
	4.6	Delete Coverage	49								
	4.7	Middleware Coverage	49								
	4.8	Router Inclusion Coverage	49								
	4.9	Pydantic Model Coverage	49								
	4.10	Classmethod Coverage	49								
	4.11	Metadata Coverage	50								
5	Con	aclusion	50								

1 Overview

This document provides comprehensive documentation for **API Documentation**. It includes API documentation, code analysis, and coverage statistics.

1.1 Documentation Statistics

• Total Items: 145

• Documented Items: 16

• Coverage: 11.0%

• Modules: 37

1.2 Project Modules

- api_updater
- env
- funkcja
- game
- game_base
- league
- league_base
- logger_config
- main
- manager
- match
- match_base
- match_result
- match_result_base
- player
- player_base
- player_result
- player_result_base
- player_stats
- player_stats_base
- pydantic_models
- roboczy
- round_score
- round_score_base

- router
- routers
- serie
- serie_base
- stream
- stream_base
- team
- team_base
- test_routers
- tests_models
- tournament
- tournament_base
- tournaments

2 Code Documentation

This section contains detailed documentation for all code elements found in the project.

2.1 Function

2.1.1 setup_loggers

• Module: logger_config

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/logger_config.py

• Line: 5

Documentation: No documentation available

```
timestamp = time.strftime("%Y%m%d-%H%M%S")

info_logger = logging.getLogger('info_logger')
error_logger = logging.getLogger('error_logger')
```

2.1.2 PlayerUpdater.__init__

Source Code Preview:

- Module: api_updater
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py
- Line: 32

```
self.headers = {
          "Accept": "application/json",
          "Authorization": f"Bearer {api_token}"
}
self.database_manager = DatabaseManager(user=user, password=password, host=host, port=port, db_name=db_name)
```

2.1.3 PlayerUpdater.make_request

Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 40

Documentation: No documentation available

```
response = requests.get(url=url, headers=self.headers, params=params, timeout =10)

time.sleep(0.4)

PlayerUpdater.REQUEST_COUNTER += 1

response.raise_for_status()

info_logger.info(f"Total requests made to Pandascore API: {PlayerUpdater.

REQUEST_COUNTER}. I've hit url: {url}")
```

2.1.4 PlayerUpdater.get_upcoming_matches Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 48

Documentation: No documentation available

```
params = {
    "filter[future]": "true",
    "sort": "begin_at",
    "per_page": 100,
    "page": 1
```

2.1.5 PlayerUpdater.get_particular_team_url Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 70

Documentation: No documentation available

```
return f'https://api.pandascore.co/teams/{team_id}'
```

- 2.1.6 PlayerUpdater.get_particular_player_stats_url Source Code Preview:
 - Module: api_updater
 - File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py
 - Line: 73

Documentation: No documentation available

```
return f"https://api.pandascore.co/csgo/players/{player_id}/stats"
```

- 2.1.7 PlayerUpdater.get_particular_game_stats_url Source Code Preview:
 - Module: api_updater
 - File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py
 - Line: 76

Documentation: No documentation available

```
return f'https://api.pandascore.co/csgo/games/{game_id}'
```

- ${\bf 2.1.8} \quad {\tt PlayerUpdater.get_required_matches_for_particular_player} \\ {\bf Source~Code~Preview:}$
 - Module: api_updater
 - File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py
 - Line: 79

```
return f"https://api.pandascore.co/players/{player_id}/matches?per_page{
required_amount_of_matches}&sort=-modified_at"
```

2.1.9 PlayerUpdater.compare_and_update Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 82

Documentation: No documentation available

```
updated = False
for key, value in new_data.items():

if getattr(existing_data, key) != value:

setattr(existing_data, key, value)

updated = True
```

2.1.10 PlayerUpdater.fetch_last_games Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 90

Documentation: No documentation available

```
games_collected: List[int] = []
page = 1

while len(games_collected) < total_games:
    matches_url = self.get_required_matches_for_particular_player(player_id,</pre>
```

2.1.11 PlayerUpdater.populate_leagues Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 142

```
league_id: int = league_data.get('id')
is_created = False
try:
```

2.1.12 PlayerUpdater.populate_series Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 189

Documentation: No documentation available

```
serie_id: int = series_data.get('id')
is_created = False

try:
serie = session.query(Serie).filter_by(serie_id=serie_id).one_or_none()
```

2.1.13 PlayerUpdater.populate_tournament Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 242

Documentation: No documentation available

```
tournament_id: int = match_data.get('tournament').get('id')
tournament_data = match_data.get('tournament')
is_created = False
try:
```

${\bf 2.1.14} \quad {\tt PlayerUpdater.populate_team}$

Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 319

```
team_id = team_data.get('id')
print(f"players: {team_data}")

is_created = False
```

2.1.15 PlayerUpdater.populate_player Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 392

Documentation: No documentation available

```
player_id = player_data.get('id')
is_created = False

try:
player = session.query(Player).filter_by(player_id=player_id).one_or_none
()
```

${\bf 2.1.16} \quad {\tt PlayerUpdater.populate_match}$

Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 450

Documentation: No documentation available

```
match_id = match_data.get('id')
is_created = False

try:
match = session.query(Match).filter_by(match_id=match_id).one_or_none()
```

2.1.17 PlayerUpdater.populate_game Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 554

```
game_id = game_data.get('id')
is_created = False

try:
game = session.query(Game).filter_by(game_id=game_id).one_or_none()
```

2.1.18 PlayerUpdater.populate_match_result Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 608

Documentation: No documentation available

```
match_result_id = match_result_data.get('id')
is_created = False

try:
match_result = session.query(MatchResult).filter_by(id=match_result_id).
one_or_none()
```

2.1.19 PlayerUpdater.populate_round_score Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 647

Documentation: No documentation available

```
if not game_id:
    error_logger.error("No game_id provided for round scores.")
    return

try:
```

2.1.20 PlayerUpdater.populate_player_result Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 712

```
if not game_id:
    error_logger.error("No game_id provided for player results.")
    return

for player_data in players_result_data:
```

2.1.21 PlayerUpdater.populate_player_stats Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 787

Documentation: No documentation available

2.1.22 PlayerUpdater.populate_stream Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 862

Documentation: No documentation available

```
stream_id: int = stream_data.get('id')
is_created = False

try:
stream = session.query(Stream).filter_by(id=stream_id).one_or_none()
```

2.1.23 PlayerUpdater.main_population Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 908

```
with self.database_manager.get_session() as session:
teams_ids = set()
processed_tournaments = set()
processed_matches = set()
processed_teams = set()
```

2.1.24 run_api_updater Source Code Preview:

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 1056

Documentation: No documentation available

```
start = time.time()
info_logger.info(f"API Updater start: {start}")

try:

player_updater = PlayerUpdater(api_token=pandascore_api_token, user=db_user,
password=db_password, host=db_host, port=db_port, db_name=db_name)
upcoming_matches = player_updater.get_upcoming_matches()
```

2.1.25 get_roster_url Source Code Preview:

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 82

Documentation: No documentation available

```
return f"https://api.pandascore.co/tournaments/{tournament_id}/rosters"
```

2.1.26 fetch_rosters Source Code Preview:

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 86

```
response = requests.get(get_roster_url(tournament_id), headers=HEADERS)
response.raise_for_status()
return response.json()
```

2.1.27 get_player_avg_kills_data Source Code Preview:

- Module: test_routers
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py
- Line: 91

Documentation: No documentation available

2.1.28 fetch_match_info Source Code Preview:

- Module: test_routers
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py
- Line: 138

Documentation: No documentation available

```
match_info = {
          "match_id": match.match_id,
          "teams": []
}
```

2.1.29 get_margin Source Code Preview:

- Module: routers
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py
- Line: 23

```
margin_str = data.get("margin", None)
margin_error = None

if margin_str is None:
margin_error = "Margin value is missing."
```

2.1.30 calculate_odds_kill

Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 39

Documentation: No documentation available

```
absolute_kills_value = int(kills)
threshold_kills = absolute_kills_value + 0.5

poisson_distribution = poisson.cdf(absolute_kills_value, kills)

survival_probability = 1 - poisson_distribution

odds1 = 1 / (
```

2.1.31 poisson_probabilities

Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 62

Documentation:

Pre-compute Poisson probabilities for the range of kills using numpy for efficiency.

```
"""Pre-compute Poisson probabilities for the range of kills using numpy for efficiency."""

return poisson.pmf(np.arange(MAX_KILLS + 1), lam)
```

2.1.32 create_probability_matrix

Source Code Preview:

- Module: routers
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py
- Line: 67

Documentation:

Use numpy to efficiently create a probability matrix for two players.

```
"""Use numpy to efficiently create a probability matrix for two players."""
return np.outer(player_a_probs, player_b_probs)
```

2.1.33 calculate_total_probabilities Source Code Preview:

- Module: routers
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py
- Line: 72

Documentation:

Calculate total probabilities for A wins, draw, and B wins using numpy.

```
"""Calculate total probabilities for A wins, draw, and B wins using numpy."""

prob_b_wins = np.sum(np.triu(prob_matrix, 1))

prob_draw = np.sum(np.diag(prob_matrix))

prob_a_wins = np.sum(np.tril(prob_matrix, -1))

return prob_a_wins, prob_draw, prob_b_wins
```

2.1.34 calculate_odds_h2h

Source Code Preview:

- Module: routers
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py
- Line: 80

Documentation:

Convert probabilities to odds.

```
"""Convert probabilities to odds."""

if prob_draw is None:

a_prob_without_draw = prob_a / (prob_a + prob_b)

b_prob_without_draw = prob_b / (prob_b + prob_a)
```

2.1.35 fetch_upcoming_matches

Source Code Preview:

- Module: routers
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py
- Line: 103

```
global REQUEST_COUNT
params = initial_params.copy() if initial_params else {}
page = 1
aggregated_results = []
while True:
```

2.1.36 DatabaseManager.__init__

Source Code Preview:

- Module: manager
- $\bullet \ \ File: \ / Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py \\$
- Line: 20

Documentation: No documentation available

```
self.database_url = f"postgresql://{user}:{password}@{host}:{port}/{db_name}"
self.engine = create_engine(self.database_url)
self.Session = sessionmaker(bind=self.engine)
```

2.1.37 DatabaseManager.create_tables

Source Code Preview:

- Module: manager
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py
- Line: 25

Documentation: No documentation available

```
Base.metadata.create_all(self.engine)
```

2.1.38 DatabaseManager.check_all_table_exists

Source Code Preview:

- Module: manager
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py
- Line: 28

Documentation: No documentation available

```
inspector = inspect(self.engine)
insp = reflection.Inspector.from_engine(self.engine)
print("Tables in the database: ", insp.get_table_names())
existing_tables = inspector.get_table_names()
missing_tables = set(required_tables) - set(existing_tables)
```

2.1.39 DatabaseManager.get_session

Source Code Preview:

- Module: manager
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py
- Line: 39

Documentation: No documentation available

```
return self.Session()
```

2.1.40 DatabaseManager.add

Source Code Preview:

- Module: manager
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py
- Line: 42

Documentation:

Save an instance of a model to the database

```
Save an instance of a model to the database

with self.get_session() as session:

session.add(instance)
```

2.1.41 DatabaseManager.get

Source Code Preview:

- Module: manager
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py
- Line: 52

Documentation:

Fetch a single instance of a model by its ID.

```
Fetch a single instance of a model by its ID.

With self.get_session() as session:

try:
```

2.1.42 DatabaseManager.get_all

Source Code Preview:

- Module: manager
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py
- Line: 62

Documentation:

Fetch all instances of a model

```
Fetch all instances of a model

with self.get_session() as session:

return session.query(model_class).all()
```

2.1.43 DatabaseManager.update

Source Code Preview:

• Module: manager

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py

• Line: 69

Documentation:

Update a single instance of a model by its ID

```
Update a single instance of a model by its ID

u"""

with self.get_session() as session:
    object = session.query(model_class).filter(model_class.id == object_id).
one()
```

2.1.44 DatabaseManager.delete

Source Code Preview:

• Module: manager

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py

• Line: 80

Documentation:

Delete a single instance of a model by its ID

```
Delete a single instance of a model by its ID

with self.get_session() as session:

try:
```

2.1.45 DatabaseManager.clear_all_data Source Code Preview:

• Module: manager

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py

• Line: 93

Documentation: No documentation available

```
with self.get_session() as session:
meta = MetaData()
meta.reflect(bind=self.engine)
for table in reversed(meta.sorted_tables):
session.execute(table.delete())
```

2.1.46 DatabaseManager.get_session Source Code Preview:

• Module: manager

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py

• Line: 102

Documentation: No documentation available

```
session = self.Session()
try:
    yield session
session.commit()
except:
```

2.1.47 get_db

Source Code Preview:

• Module: manager

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py

• Line: 117

```
with database_manager.get_session() as db:
yield db
```

2.1.48 PlayerBase.serialize_birthday Source Code Preview:

• Module: player_base

 $\bullet \ \ File: / Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/player_base.py$

• Line: 22

Documentation: No documentation available

```
if birthday is not None:
    return birthday.strftime('%Y-%m-%d')
return None
```

2.1.49 PlayerBase.serialize_modified_at Source Code Preview:

• Module: player_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/player_base.py

• Line: 28

Documentation: No documentation available

```
if modified_at is not None:
    return modified_at.isoformat()
return None
```

2.1.50 pp

Source Code Preview:

• Module: funkcja

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/temporary/funkcja.py

• Line: 6

Documentation: No documentation available

```
return (srednia ** k / (factorial(k))) * exp(-srednia)
```

2.1.51 dp

Source Code Preview:

• Module: funkcja

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/temporary/funkcja.py

• **Line:** 10

Documentation: No documentation available

```
p = 0
for m in range(k + 1, k + 30):
    p = p + pp(srednia, m)
return p
```

2.1.52 wynik

Source Code Preview:

• Module: funkcja

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/temporary/funkcja.py

• Line: 17

Documentation: No documentation available

```
zaw = list(srednie.keys())
s = 0
for z in zaw:
    s = s + srednie[z]
p = {}
```

2.1.53 roster_url

Source Code Preview:

• Module: tournaments

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/temporary/tournaments.p

• Line: 7

Documentation: No documentation available

```
return f"https://api.pandascore.co/tournaments/{tournament_id}/rosters"
```

2.1.54 fetch_matches

Source Code Preview:

• Module: roboczy

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/temporary/roboczy.py

• Line: 10

```
global REQUEST_COUNT
headers = {
     "Accept": "application/json",
     "Authorization": f"Bearer {api_token}"
}
```

2.1.55 initialize_api Source Code Preview:

• Module: main

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/main.py

• Line: 10

Documentation: No documentation available

```
app = FastAPI(
          root_path="/api/v1"

app.add_middleware(
```

2.1.56 get_margin Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

• Line: 22

Documentation: No documentation available

```
margin_str = data.get("margin", None)
margin_error = None

if margin_str is None:
margin_error = "Margin value is missing."
```

2.1.57 calculate_odds Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

• Line: 38

```
absolute_kills_value = int(kills)
threshold_kills = absolute_kills_value + 0.5
poisson_distribution = poisson.cdf(absolute_kills_value, kills)
survival_probability = 1 - poisson_distribution
odds1 = 1 / (
```

2.1.58 poisson_probabilities

Source Code Preview:

- Module: router
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py
- Line: 61

Documentation:

Pre-compute Poisson probabilities for the range of kills using numpy for efficiency.

```
"""Pre-compute Poisson probabilities for the range of kills using numpy for
efficiency."""
return poisson.pmf(np.arange(MAX_KILLS + 1), lam)
```

2.1.59 create_probability_matrix

Source Code Preview:

- Module: router
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py
- Line: 66

Documentation:

Use numpy to efficiently create a probability matrix for two players.

```
"""Use numpy to efficiently create a probability matrix for two players."""

return np.outer(player_a_probs, player_b_probs)
```

2.1.60 calculate_total_probabilities

Source Code Preview:

- Module: router
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py
- Line: 71

Documentation:

Calculate total probabilities for A wins, draw, and B wins using numpy.

```
"""Calculate total probabilities for A wins, draw, and B wins using numpy."""

prob_b_wins = np.sum(np.triu(prob_matrix, 1))

prob_draw = np.sum(np.diag(prob_matrix))

prob_a_wins = np.sum(np.tril(prob_matrix, -1))

return prob_a_wins, prob_draw, prob_b_wins
```

2.1.61 calculate_odds Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

• Line: 79

Documentation:

Convert probabilities to odds.

```
"""Convert probabilities to odds."""

if prob_draw is None:

a_prob_without_draw = prob_a / (prob_a + prob_b)

b_prob_without_draw = prob_b / (prob_b + prob_a)
```

${\bf 2.1.62} \quad {\tt fetch_upcoming_matches}$

Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

• Line: 102

Documentation: No documentation available

```
global REQUEST_COUNT
params = initial_params.copy() if initial_params else {}
page = 1
aggregated_results = []
while True:
```

2.1.63 test_league_model

Source Code Preview:

- Module: tests_models
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/tests/tests_models.py

• Line: 12

```
league_data = {
    "id": 1,
    "name": "Test League",
    "slug": "test-league",
    "modified_at": datetime.utcnow(),
```

2.1.64 test_serie_model Source Code Preview:

• Module: tests_models

 $\bullet \ \ File: / Users/bartoszkobylinski/Programming/Python/eppop_fast_api/tests/tests_models.py$

• Line: 38

Documentation: No documentation available

```
serie_data = {
    "id": 1,
    "begin_at": datetime.utcnow(),
    "end_at": datetime.utcnow(),
    "full_name": "Test Serie",
```

2.1.65 test_team_model Source Code Preview:

- Module: tests_models
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/tests/tests_models.py
- Line: 59

Documentation: No documentation available

```
team_data = {
    "id": 1,
    "name": "Test Team",
    "slug": "test-team",
    "modified_at": datetime.utcnow(),
```

2.1.66 run_migrations_offline Source Code Preview:

- Module: env
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/alembic/env.py
- Line: 34

Documentation:

Run migrations in 'offline' mode.

This configures the context with just a URL and not an Engine, though an Engine is acceptable here as well. By skipping the Engine creation, we don't even need a DBAPI to be available.

Calls to context.execute() here emit the given string to the script output.

```
"""Run migrations in 'offline' mode.

This configures the context with just a URL
and not an Engine, though an Engine is acceptable
here as well. By skipping the Engine creation,
```

2.1.67 run_migrations_online

Source Code Preview:

• Module: env

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/alembic/env.py

• Line: 58

Documentation:

Run migrations in 'online' mode.

In this scenario, we need to create an Engine and associate a connection with the context.

```
"""Run migrations in 'online' mode.

In this scenario, we need to create an Engine
and associate a connection with the context.
```

2.2 Class

Source Code Preview:

2.2.1 PlayerUpdater

• Module: api_updater

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api_updater.py

• Line: 28

Documentation: No documentation available

2.2.2 MatchStatuses

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 18

Documentation: No documentation available

2.2.3 DatabaseManager

• Module: manager

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/manager.py

• Line: 19

Documentation: No documentation available

2.2.4 MatchResult

• Module: match_result

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/models/match_r

• Line: 8

Documentation: No documentation available

2.2.5 Game

• Module: game

• Line: 7

Documentation: No documentation available

2.2.6 League

• Module: league

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/models/league.

• Line: 6

Documentation: No documentation available

2.2.7 PlayerStats

• Module: player_stats

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/models/player_

• Line: 6

2.2.8 Team

• Module: team

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/models/team.py

• Line: 7

Documentation: No documentation available

2.2.9 Stream

• Module: stream

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/models/stream.

• Line: 7

Documentation: No documentation available

2.2.10 Player

• Module: player

 $\bullet \ \ File: / Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/models/player.$

• Line: 6

Documentation: No documentation available

2.2.11 Serie

• Module: serie

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/models/serie.p

• Line: 6

Documentation: No documentation available

2.2.12 RoundScore

• Module: round_score

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/models/round_s

• Line: 7

Documentation: No documentation available

2.2.13 PlayerResult

• Module: player_result

• Line: 7

Documentation: No documentation available

2.2.14 Tournament

• Module: tournament

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/models/tournam

• Line: 9

Documentation: No documentation available

2.2.15 Match

• Module: match

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/database/models/match.p

• Line: 8

Documentation: No documentation available

2.3 Async Function

2.3.1 upcoming_matches

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 32

Documentation: No documentation available

```
matches = db.query(Match).where(Match.status == MatchStatuses.NOT_STARTED.value).
join(Match.tournament).all()

if not matches:
    raise HTTPException(status_code=404, detail="No upcoming matches found")
```

2.3.2 all_players_list

Source Code Preview:

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 42

```
try:
    players = db.query(Player).all()
    if not players:
        raise HTTPException(status_code=404, detail="No players found")
    return players
```

2.3.3 add_player_to_team Source Code Preview:

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 53

Documentation: No documentation available

```
team = db.query(Team).filter(Team.team_id == team_id).first()
if not team:
    raise HTTPException(status_code=404, detail="Team not found")
player = db.query(Player).filter(Player.player_id == player_id).first()
if not player:
```

2.3.4 remove_player_from_team Source Code Preview:

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 68

Documentation: No documentation available

```
team = db.query(Team).filter(Team.team_id == team_id).first()
if not team:
    raise HTTPException(status_code=404, detail="Team not found")
player = db.query(Player).filter(Player.player_id == player_id).first()
if not player:
```

2.3.5 upcoming_matches_with_rosters_and_stats Source Code Preview:

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 211

2.3.6 match_players_stats Source Code Preview:

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 239

Documentation: No documentation available

```
match = db.query(Match).filter(Match.match_id == id).one_or_none()

if not match:
    raise HTTPException(status_code=404, detail="Match not found")
```

2.3.7 upcoming_matches Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 129

Documentation: No documentation available

```
api_token = os.getenv("PANDASCORE_API_TOKEN")
if not api_token:
    raise HTTPException(status_code=500, detail="API token is missing")

url = 'https://api.pandascore.co/csgo/matches/upcoming'
```

2.3.8 optimized_fetch_and_aggregate Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 152

```
start = time.time()
global REQUEST_COUNT
player_games = defaultdict(list)
player_details = defaultdict(lambda: {"kills": [], "headshots": [], "rounds":
[]})
unique_game_ids = set()
```

2.3.9 predict_stats Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 312

Documentation: No documentation available

```
data = await request.json()
players_data = data.get("players", [])

teams_data = data.get("teams", [])

sum_kills_team1 = float(data.get("sum_kills_team1", 0))

sum_kills_team2 = float(data.get("sum_kills_team2", 0))
```

2.3.10 generate_h2h_data Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 360

Documentation: No documentation available

```
data = await request.json()
margin = data.get("margin", 1.08)  # Default margin

players_data = data.get("players")

if not players_data or not margin:
    raise HTTPException(status_code=400, detail="Missing or invalid data in the request")
```

2.3.11 generate_over_under_data

Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 393

```
try:
    data = await request.json()
    margin, margin_error = get_margin(data)
    if margin_error:
        return JSONResponse(content={"margin_error": margin_error}, status_code = 400)
```

2.3.12 upcoming_matches

Source Code Preview:

- Module: router
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py
- Line: 128

Documentation: No documentation available

```
api_token = os.getenv("PANDASCORE_API_TOKEN")
if not api_token:
    raise HTTPException(status_code=500, detail="API token is missing")

url = 'https://api.pandascore.co/csgo/matches/upcoming'
```

${\bf 2.3.13} \quad {\tt optimized_fetch_and_aggregate}$

Source Code Preview:

- Module: router
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py
- Line: 151

Documentation: No documentation available

```
start = time.time()
global REQUEST_COUNT
player_games = defaultdict(list)
player_details = defaultdict(lambda: {"kills": [], "headshots": [], "rounds":
[]})
unique_game_ids = set()
```

2.3.14 predict_stats

Source Code Preview:

- Module: router
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py
- Line: 311

```
data = await request.json()
players_data = data.get("players", [])
sum_kills_team1 = float(data.get("sum_kills_team1", 0))
sum_kills_team2 = float(data.get("sum_kills_team2", 0))
predicted_kills_team1_map1 = float(data.get("predicted_kills_team1_map1", 0)) / 2
```

2.3.15 generate_h2h_data Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

• Line: 358

Documentation: No documentation available

```
data = await request.json()
margin = data.get("margin", 1.08)  # Default margin

players_data = data.get("players")

if not players_data or not margin:
    raise HTTPException(status_code=400, detail="Missing or invalid data in the request")
```

2.3.16 generate_over_under_data Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

• Line: 391

Documentation: No documentation available

```
try:
    data = await request.json()
    margin, margin_error = get_margin(data)
    if margin_error:
        return JSONResponse(content={"margin_error": margin_error}, status_code = 400)
```

2.4 Get

Source Code Preview:

2.4.1 upcoming_matches

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

Documentation: No documentation available

```
matches = db.query(Match).where(Match.status == MatchStatuses.NOT_STARTED.value).
join(Match.tournament).all()

if not matches:
    raise HTTPException(status_code=404, detail="No upcoming matches found")
```

2.4.2 all_players_list

Source Code Preview:

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 42

Documentation: No documentation available

```
try:
    players = db.query(Player).all()
    if not players:
        raise HTTPException(status_code=404, detail="No players found")
    return players
```

2.4.3 upcoming_matches_with_rosters_and_stats Source Code Preview:

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 211

Documentation: No documentation available

```
match_id: int = None,
    x_maps: int = Query(..., gt=0, description="Number of recent maps to consider
for statistics"),
    db: Session = Depends(get_db)):

if match_id:
    matches = db.query(Match).filter(Match.match_id == match_id).all()
```

2.4.4 match_players_stats

Source Code Preview:

- Module: test_routers
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py
- Line: 239

Documentation: No documentation available

```
match = db.query(Match).filter(Match.match_id == id).one_or_none()

if not match:
    raise HTTPException(status_code=404, detail="Match not found")
```

2.4.5 upcoming_matches

Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 129

Documentation: No documentation available

```
api_token = os.getenv("PANDASCORE_API_TOKEN")
if not api_token:
    raise HTTPException(status_code=500, detail="API token is missing")

url = 'https://api.pandascore.co/csgo/matches/upcoming'
```

${\bf 2.4.6} \quad {\tt optimized_fetch_and_aggregate}$

Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 152

Documentation: No documentation available

```
start = time.time()
global REQUEST_COUNT
player_games = defaultdict(list)
player_details = defaultdict(lambda: {"kills": [], "headshots": [], "rounds":
[]})
unique_game_ids = set()
```

2.4.7 upcoming_matches

Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

Documentation: No documentation available

```
api_token = os.getenv("PANDASCORE_API_TOKEN")
if not api_token:
    raise HTTPException(status_code=500, detail="API token is missing")

url = 'https://api.pandascore.co/csgo/matches/upcoming'
```

2.4.8 optimized_fetch_and_aggregate Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

• Line: 151

Documentation: No documentation available

```
start = time.time()
global REQUEST_COUNT
player_games = defaultdict(list)
player_details = defaultdict(lambda: {"kills": [], "headshots": [], "rounds":
[]})
unique_game_ids = set()
```

2.5 Post

Source Code Preview:

2.5.1 add_player_to_team

• Module: test_routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py

• Line: 53

Documentation: No documentation available

```
team = db.query(Team).filter(Team.team_id == team_id).first()

if not team:
    raise HTTPException(status_code=404, detail="Team not found")

player = db.query(Player).filter(Player.player_id == player_id).first()

if not player:
```

2.5.2 predict_stats

Source Code Preview:

- Module: routers
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py
- Line: 312

Documentation: No documentation available

```
data = await request.json()
players_data = data.get("players", [])

teams_data = data.get("teams", [])

sum_kills_team1 = float(data.get("sum_kills_team1", 0))

sum_kills_team2 = float(data.get("sum_kills_team2", 0))
```

2.5.3 generate_h2h_data Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 360

Documentation: No documentation available

```
data = await request.json()
margin = data.get("margin", 1.08)  # Default margin

players_data = data.get("players")

if not players_data or not margin:
    raise HTTPException(status_code=400, detail="Missing or invalid data in the request")
```

2.5.4 generate_over_under_data Source Code Preview:

• Module: routers

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/routers.py

• Line: 393

Documentation: No documentation available

```
try:
    data = await request.json()
    margin, margin_error = get_margin(data)
    if margin_error:
        return JSONResponse(content={"margin_error": margin_error}, status_code = 400)
```

2.5.5 predict_stats

Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

Documentation: No documentation available

```
data = await request.json()
players_data = data.get("players", [])
sum_kills_team1 = float(data.get("sum_kills_team1", 0))
sum_kills_team2 = float(data.get("sum_kills_team2", 0))
predicted_kills_team1_map1 = float(data.get("predicted_kills_team1_map1", 0)) / 2
```

2.5.6 generate_h2h_data Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

• Line: 358

Documentation: No documentation available

```
data = await request.json()
margin = data.get("margin", 1.08)  # Default margin
players_data = data.get("players")
if not players_data or not margin:
    raise HTTPException(status_code=400, detail="Missing or invalid data in the request")
```

2.5.7 generate_over_under_data Source Code Preview:

• Module: router

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/cs2/router.py

• Line: 391

Documentation: No documentation available

```
try:
    data = await request.json()
    margin, margin_error = get_margin(data)
    if margin_error:
        return JSONResponse(content={"margin_error": margin_error}, status_code = 400)
```

2.6 Delete

Source Code Preview:

2.6.1 remove_player_from_team

- Module: test_routers
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/test_routers.py
- Line: 68

Documentation: No documentation available

```
team = db.query(Team).filter(Team.team_id == team_id).first()
if not team:
    raise HTTPException(status_code=404, detail="Team not found")
player = db.query(Player).filter(Player.player_id == player_id).first()
if not player:
```

2.7 Middleware

Source Code Preview:

2.7.1 app.middleware

- Module: main
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/main.py
- Line: 13

Documentation: No documentation available

2.7.2 app.middleware

• Module: main

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/main.py

• Line: 15

Documentation: No documentation available

2.8 Router Inclusion

2.8.1 app.router_inclusion

- Module: main
- File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/main.py
- Line: 21

2.8.2 app.router_inclusion

• Module: main

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/main.py

• Line: 22

Documentation: No documentation available

2.8.3 app.router_inclusion

• Module: main

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/main.py

• Line: 23

Documentation: No documentation available

2.9 Pydantic Model

2.9.1 LeagueBase

• Module: pydantic_models

 $\bullet \ \ File: / Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py$

• Line: 7

Documentation: No documentation available

2.9.2 SerieBase

• Module: pydantic_models

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py

• Line: 17

Documentation: No documentation available

2.9.3 GameBase

• Module: pydantic_models

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py

• Line: 33

2.9.4 PlayerBase

• Module: pydantic_models

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py

• Line: 49

Documentation: No documentation available

2.9.5 PlayerStatsBase

• Module: pydantic_models

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py

• Line: 64

Documentation: No documentation available

2.9.6 PlayerResultBase

• Module: pydantic_models

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py

• Line: 110

Documentation: No documentation available

2.9.7 StreamBase

• Module: pydantic_models

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py

• Line: 129

Documentation: No documentation available

2.9.8 RoundScoreBase

• Module: pydantic_models

 $\bullet \ \ File: / Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py$

• **Line:** 140

Documentation: No documentation available

2.9.9 MatchResultBase

• Module: pydantic_models

 $\bullet \ \ File: \ / Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py$

Documentation: No documentation available

2.9.10 MatchBase

• Module: pydantic_models

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py

• Line: 163

Documentation: No documentation available

2.9.11 TeamBase

• Module: pydantic_models

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py

• Line: 189

Documentation: No documentation available

2.9.12 TournamentBase

• Module: pydantic_models

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/pydantic_models.py

• Line: 202

Documentation: No documentation available

2.9.13 MatchResultBase

• Module: match_result_base

• Line: 6

Documentation: No documentation available

2.9.14 PlayerBase

• Module: player_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/player_base.py

• Line: 7

2.9.15 StreamBase

• Module: stream_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/stream_base.py

• Line: 6

Documentation: No documentation available

2.9.16 RoundScoreBase

• Module: round_score_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/round_score_bas

• Line: 6

Documentation: No documentation available

2.9.17 PlayerResultBase

• Module: player_result_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/player_result_b

• Line: 6

Documentation: No documentation available

2.9.18 MatchBase

• Module: match_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/match_base.py

• Line: 7

Documentation: No documentation available

2.9.19 LeagueBase

• Module: league_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/league_base.py

• Line: 7

Documentation: No documentation available

2.9.20 TeamBase

• Module: team_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/team_base.py

Documentation: No documentation available

2.9.21 GameBase

• Module: game_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/game_base.py

• Line: 7

Documentation: No documentation available

2.9.22 TournamentBase

• Module: tournament_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/tournament_base

• Line: 9

Documentation: No documentation available

2.9.23 PlayerStatsBase

• Module: player_stats_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/player_stats_ba

• Line: 6

Documentation: No documentation available

2.9.24 SerieBase

• Module: serie_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/serie_base.py

• Line: 7

Documentation: No documentation available

2.10 Classmethod

2.10.1 PlayerBase.from_orm

• Module: player_base

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/schemas/player_base.py

• Line: 34

2.11 Metadata

Source Code Preview:

2.11.1 app

• Module: main

• File: /Users/bartoszkobylinski/Programming/Python/eppop_fast_api/app/api/main.py

• Line: 11

Documentation:

/api/v1

3 UML Diagrams

This section contains UML diagrams that visualize the project structure and relationships.

3.1 Diagram Analysis

• Classes Found: 27

• Relationships Found: 86

• Packages: stream, league_base, api_updater, match_result_base, match_result, stream_base, round_score, player, team, tournament_base, serie_base, player_stats_base, player_result_base, player_stats, player_result, match_base, match, player_base, test_routers, team_base, tournament, league, game, manager, round_score_base, game_base, serie

3.2 Main Diagram

The main UML diagram shows the overall structure of the system.

```
17 skinparam class <<interface>>BackgroundColor #F1F8E9
18 skinparam class << interface >> BorderColor #8BC34A
19
20 left to right direction
22 package api_updater {
  class PlayerUpdater {
24
25 }
26
27 package test_routers {
  class MatchStatuses {
29
30 }
31
32 package league_base {
   class LeagueBase <<model>> {
34
35 }
37 package serie_base {
class SerieBase <<model>> {
39
40 }
42 package game_base {
class GameBase <<model>> {
    }
45 }
46
47 package player_base {
48 class PlayerBase <<model>> {
49
50 }
51
52 package player_stats_base {
  class PlayerStatsBase <<model>> {
54
55 }
57 package player_result_base {
class PlayerResultBase <<model>> {
59
60 }
61
62 package stream_base {
class StreamBase <<model>> {
65 }
67 package round_score_base {
class RoundScoreBase <<model>> {
69
70 }
71
72 package match_result_base {
   class MatchResultBase <<model>> {
74
75 }
77 package match_base {
   class MatchBase <<model>> {
79
80 }
81
82 package team_base {
```

```
class TeamBase <<model>> {
}

class TeamBase <<model>> {
}

package tournament_base {

class TournamentBase <<model>> {
}

package manager {
}

class DatabaseManager {
}

class DatabaseManager {
}

defermine the second of the second of
```

3.3 Additional Diagrams

PlantUML Source:

3.3.1 Sequence Diagram

```
1 @startuml
2 title upcoming_matches Request Flow
4 participant Client
5 participant Router
6 participant Endpoint
7 participant Service
8 participant Repository
9 participant Database
11 Client -> Router : HTTP Request
12 Router -> Endpoint : route()
13 Endpoint -> Service : process()
14 Service -> Repository : save()
15 Repository -> Database : execute()
16 Database --> Repository : result
17 Repository --> Service : data
18 Service --> Endpoint : response
19 Endpoint --> Router : HTTP Response
20 Router --> Client : JSON Response
21
22 @enduml
```

3.3.2 Component Diagram

```
1  @startuml
2 !include <C4/C4_Component>
3
4  title FastAPI Application Architecture
5
6  Container_Boundary(api, "API Layer") {
7     Component(router, "Routers", "FastAPI", "HTTP endpoint routing")
8     Component(middleware, "Middleware", "FastAPI", "Request/response processing")
9  }
10
11  Container_Boundary(service, "Service Layer") {
12     Component(services, "Services", "Python", "Business logic")
13     Component(deps, "Dependencies", "FastAPI", "Dependency injection")
14 }
```

```
16 Container_Boundary(data, "Data Layer") {
    Component (models, "Models", "Pydantic", "Data validation")
17
    Component (repo, "Repositories", "Python", "Data access")
18
19 }
  Container_Boundary(external, "External") {
   Component(db, "Database", "Database", "Data storage")
21
    Component (confluence, "Confluence", "Atlassian", "Documentation")
23
24 }
26 Rel(router, services, "calls")
27 Rel(services, models, "validates")
28 Rel(services, repo, "queries")
29 Rel(repo, db, "persists")
  Rel(services, confluence, "publishes")
32 Qenduml
```

4 Coverage Analysis

4.1 Function Coverage

67 total items, 15 documented (22.4%).

4.2 Class Coverage

15 total items, 0 documented (0.0%).

4.3 Async Function Coverage

16 total items, 0 documented (0.0%).

4.4 Get Coverage

8 total items, 0 documented (0.0%).

4.5 Post Coverage

7 total items, 0 documented (0.0%).

4.6 Delete Coverage

1 total items, 0 documented (0.0%).

4.7 Middleware Coverage

2 total items, 0 documented (0.0%).

4.8 Router Inclusion Coverage

3 total items, 0 documented (0.0%).

4.9 Pydantic Model Coverage

24 total items, 0 documented (0.0%).

4.10 Classmethod Coverage

1 total items, 0 documented (0.0%).

4.11 Metadata Coverage

1 total items, 1 documented (100.0%).

5 Conclusion

This documentation was automatically generated from the codebase analysis. For the most up-to-date information, please refer to the source code and regenerate this documentation as needed.