

Baseball Database Manager

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Promineo Tech Back-End Final Project

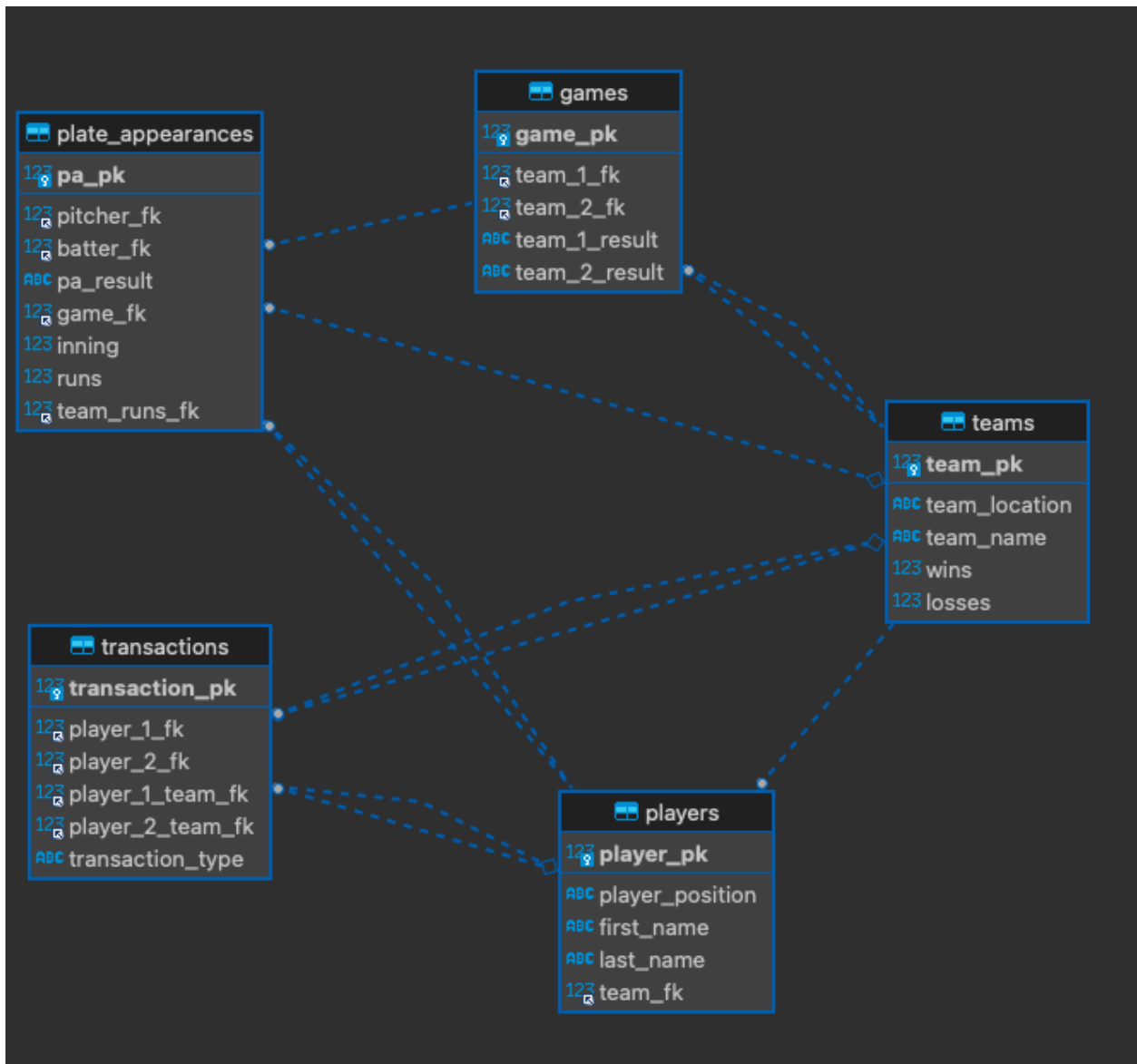
Spring 2022

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ERD



/teams

Create

Properties Needed:

- team_pk (int)
- team_location (String)
- team_name (String)
- wins (int)
- losses (int)

Expected Response:

200 - 1

POST /teams Creates a Team

Creates a Team

Parameters

Name	Description
team_pk * required integer(\$int32) (query)	The team ID (i.e. '1')
team_location * required string (query)	Minneapolis
team_name * required string (query)	Millers
wins * required integer(\$int32) (query)	0
losses * required integer(\$int32) (query)	100

Response body

1

Response headers

connection: keep-alive
content-type: application/json
date: Mon, 20 Jun 2022 19:17:11 GMT
keep-alive: timeout=60
transfer-encoding: chunked

Possible Errors:

500 - Internal Server Error for duplicate entry

Get

Properties Needed:

- team_pk (int)

Expected Response:

```
200 - {
  "team_pk": 0,
  "team_location": "string",
  "team_name": "string",
  "wins": 0,
  "losses": 0
}
```

GET **/teams** Returns a Team

Returns a Team

Parameters

Name	Description
team_pk <small>integer(\$int32) (query)</small>	The team ID (i.e. '1')

Response body

```
[
  {
    "team_pk": 4,
    "team_location": "Minneapolis",
    "team_name": "Millers",
    "wins": 0,
    "losses": 100
  }
]
```

Response headers

Possible errors:

404 - Not Found (team_pk not found in table)

Update

Properties Needed:

- team_pk (int)
- team_location (String)

Expected Response:

200 - 1

PUT **/teams** Modifies a Team

Modifies a Team

Parameters

Name	Description
team_pk <small>required</small> integer(\$int32) (query)	The team ID (i.e. '1')
team_location <small>required</small> string (query)	St. Paul

Response body

1

Response headers

Response body

```
[
  {
    "team_pk": 4,
    "team_location": "St. Paul",
    "team_name": "Millers",
    "wins": 0,
    "losses": 100
  }
]
```

Possible errors:

404 - Not Found (team_pk not found in table)

Delete

Properties Needed:

- team_pk (int)

Expected Response:

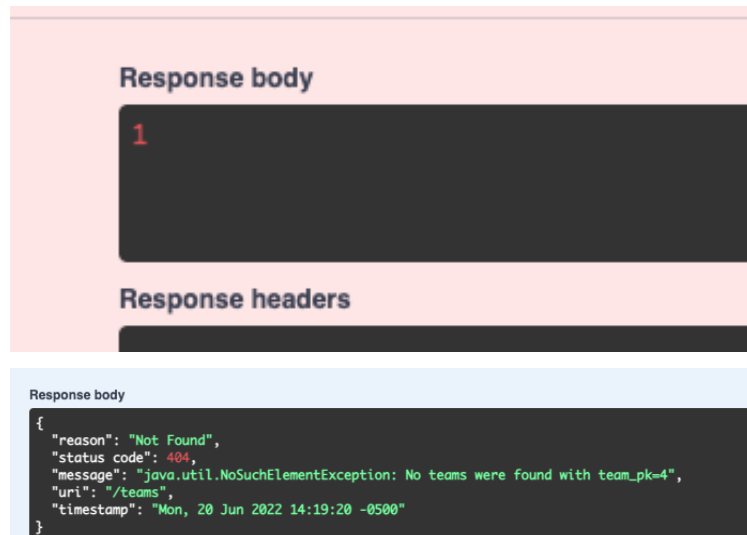
200 - 1

DELETE /teams Deletes a Team

Deletes a Team

Parameters

Name	Description
team_pk <small>required</small> integer(\$int32) (query)	The team ID (i.e. '1')



Possible errors:

404 - Not Found (team_pk not found in table)

/players

Create

Properties Needed:

- player_pk (int)
- first_name (String)
- last_name (String)
- pos (String)
- team_fk (int)

Expected Response:

200 - 1

POST

/players

Creates a Player

Creates a Player

Parameters

Name	Description
player_pk * required integer(\$int32) (query)	The player ID (i.e. '1')
first_name * required string (query)	Bob
last_name * required string (query)	Smith
pos * required string (query)	SECOND
team_fk * required integer(\$int32) (query)	1

Code

Details

200

Response body

1

Response headers

Possible Errors:

500 - Internal Server Error for duplicate entry

Get

Properties Needed:

- player_pk (int)

Expected Response:

```
200 - {
  "player_pk": 0,
  "player_position": "PITCHER",
```

```
"first_name": "string",
"last_name": "string",
"team_fk": 0
}
```

GET `/players` Returns a Player

Returns a Player

Parameters

Name	Description
player_pk	The player ID (i.e. '1')

integer(\$int32) (query)

100

200

Response body

```
[
  {
    "player_pk": 100,
    "player_position": "SECOND",
    "first_name": "Bob",
    "last_name": "Smith",
    "team_fk": 1
  }
]
```

Possible errors:

404 - Not Found (player_pk not found in table)

Update

Properties Needed:

- player_pk (int)
- team_fk (int)

Expected Response:

200 - 1

PUT

/players

Modifies a Player

Modifies a Player

Parameters

Name	Description
player_pk <small>required</small> integer(\$int32) <i>(query)</i>	The player ID (i.e. '1')
team_fk <small>required</small> integer(\$int32) <i>(query)</i>	

Code

Details

200

Response body

1

200

Response body

[
 {
 "player_pk": 100,
 "player_position": "SECOND",
 "first_name": "Bob",
 "last_name": "Smith",
 "team_fk": 2
 }
]

Possible errors:

404 - Not Found (player_pk not found in table)

Delete

Properties Needed:

- player_pk (int)

Expected Response:

200 - 1

DELETE

/players Deletes a Player

Deletes a Player

Parameters

Name	Description
player_pk required integer(\$int32) (query)	The player ID (i.e. '1') <div>100</div>

200

Response body

1

Response headers

404

Error:

Response body

```
{
  "reason": "Not Found",
  "status code": 404,
  "message": "java.util.NoSuchElementException: No players were found with player_pk=100",
  "uri": "/players",
  "timestamp": "Mon, 20 Jun 2022 14:25:32 -0500"
}
```

Possible errors:

404 - Not Found (player_pk not found in table)

/transactions

Create

Properties Needed:

- transaction_pk (int)
- player_1_fk (int)
- player_2_fk (int)
- player_1_team_fk (int)
- player_1_team_fk (int)
- transaction_type (String)

Expected Response:

200 - 1

POST /transactions Creates a Transaction

Creates a Transaction

Parameters

Name	Description
transaction_pk * required integer(\$int32) (query)	The transaction ID (i.e. '1')
player_1_fk * required integer(\$int32) (query)	55
player_2_fk * required integer(\$int32) (query)	1
player_1_team_fk * required integer(\$int32) (query)	10
player_2_team_fk * required integer(\$int32) (query)	1
player_2_team_fk * required integer(\$int32) (query)	2
transaction_type * required string (query)	Trade

Code 200 **Details**

Response body
1

Response headers
connection: keep-alive
content-type: application/json

Possible Errors:

500 - Internal Server Error for duplicate entry

Get

Properties Needed:

- transaction_pk (int)

Expected Response:

200 - {

```

"transaction_pk": 0,
"player_1_fk": 0,
"player_1_team_fk": 0,
"player_2_fk": 0,
"player_2_team_fk": 0,
"transaction_type": "Sign"
}

```

GET
/transactions
Returns a Transaction

Returns a Transaction

Parameters

Name	Description
transaction_pk integer(\$int32) (query)	The transaction ID (i.e. '1')

55

Execute

Responses

200

Response body

```

[
  {
    "transaction_pk": 55,
    "player_1_fk": 1,
    "player_1_team_fk": 1,
    "player_2_fk": 10,
    "player_2_team_fk": 2,
    "transaction_type": "Trade"
  }
]

```

Response headers

Possible errors:

404 - Not Found (transaction_pk not found in table)

Update

Properties Needed:

- transaction_pk (int)
- player_1_fk (int)
- player_2_fk (int)

Expected Response:

200 - 1

PUT

/transactions

Modifies a Transaction

Modifies a Transaction

Parameters

Name	Description
transaction_pk * required integer(\$int32) (query)	The transaction ID (i.e. '1')
player_1_fk * required integer(\$int32) (query)	55
player_2_fk * required integer(\$int32) (query)	2
player_2_fk * required integer(\$int32) (query)	11

200

Response body

1

200

Response body

[
 {
 "transaction_pk": 55,
 "player_1_fk": 2,
 "player_1_team_fk": 1,
 "player_2_fk": 11,
 "player_2_team_fk": 2,
 "transaction_type": "Trade"
 }
]

Possible errors:

404 - Not Found (transaction_pk not found in table)

Delete

Properties Needed:

- transaction_pk (int)

Expected Response:

200 - 1

DELETE /transactions Deletes a Transaction

Deletes a Transaction

Parameters

Name	Description
transaction_pk <small>* required</small> integer(\$int32) (query)	The transaction ID (i.e. '1')

200

Response body

1

Response headers

404

Error:

Response body

```
{
  "reason": "Not Found",
  "status code": 404,
  "message": "java.util.NoSuchElementException: No transactions were found with transaction_pk=55",
  "url": "/transactions",
  "timestamp": "Mon, 20 Jun 2022 15:08:35 -0500"
}
```

Response headers

Possible errors:

404 - Not Found (transaction_pk not found in table)

/games

Create

Properties Needed:

- game_pk (int)
- team_1_fk (int)
- team_2_fk (int)
- team_1_result (String)
- team_2_result (String)

Expected Response:

200 - 1

POST /games Creates a Game

Creates a Game

Parameters

Name	Description
game_pk * required integer(\$int32) (query)	The game ID (i.e. '1')
team_1_fk * required integer(\$int32) (query)	
team_2_fk * required integer(\$int32) (query)	
team_1_result * required string (query)	
team_2_result * required string (query)	

200

Response body

1

Response headers

Possible Errors:

500 - Internal Server Error for duplicate entry

Get

Properties Needed:

- game_pk (int)

Expected Response:

```
200 - {
  "game_pk": 0,
  "team_1_fk": 0,
  "team_1_result": "W",
  "team_2_fk": 0,
  "team_2_result": "W"
}
```

The screenshot displays a REST client interface. At the top, a blue bar contains a 'GET' button and the endpoint '/games' with the description 'Returns a Game'. Below this, the text 'Returns a Game' is repeated. A 'Parameters' section follows, containing a table with two columns: 'Name' and 'Description'. The table lists 'game_pk' as an 'integer(\$int32)' with the description 'The game ID (i.e. '1')' and is marked as a '(query)' parameter. A text input field next to 'game_pk' contains the value '4'. Below the parameters section, the status '200' is shown next to the 'Response body'. The response body is a JSON array containing one object:

```
[
  {
    "game_pk": 4,
    "team_1_fk": 1,
    "team_1_result": "L",
    "team_2_fk": 2,
    "team_2_result": "W"
  }
]
```

Name	Description
game_pk	The game ID (i.e. '1')

game_pk integer(\$int32) (query)

4

200

Response body

```
[
  {
    "game_pk": 4,
    "team_1_fk": 1,
    "team_1_result": "L",
    "team_2_fk": 2,
    "team_2_result": "W"
  }
]
```

Possible errors:

404 - Not Found (game_pk not found in table)

Update

Properties Needed:

- game_pk (int)
- team_1_result (String)
- team_2_result (String)

Expected Response:

200 - 1

PUT

/games

Modifies a Game

Modifies a Game

Parameters

Name	Description
game_pk * required integer (\$int32) (query)	The game ID (i.e. '1')
team_1_result * required string (query)	<input type="text" value="W"/>
team_2_result * required string (query)	<input type="text" value="L"/>

200

Response body

1

200

Response body

[
 {
 "game_pk": 4,
 "team_1_fk": 1,
 "team_1_result": "W",
 "team_2_fk": 2,
 "team_2_result": "L"
 }
]

Response headers

Possible errors:

404 - Not Found (transaction_pk not found in table)

Delete

Properties Needed:

- game_pk (int)

Expected Response:

200 - 1

DELETE /games Deletes a Game

Deletes a Game

Parameters

Name	Description
game_pk <small>required</small> integer(\$int32) (query)	The game ID (i.e. '1')

4

200

Response body

1

Response headers

404

Error:

Response body

```
{
  "reason": "Not Found",
  "status code": 404,
  "message": "java.util.NoSuchElementException: No games were found with game_pk=4",
  "url": "/games",
  "timestamp": "Mon, 20 Jun 2022 15:12:48 -0500"
}
```

Response headers

Possible errors:

404 - Not Found (transaction_pk not found in table)

/plate appearances

Create

Properties Needed:

- pa_pk (int)
- pitcher_fk (int)
- batter_fk (int)
- par (String)
- game_fk (int)
- inning (int)
- runs (int)
- team_runs_fk (int)

Expected Response:

200 - 1

POST /plate appearances Creates a Plate Appearances

Creates a Plate Appearances

Parameters

Name	Description
pa_pk * required integer(\$int32) (query)	The plate appearance ID (i.e. '1')
	<input type="text" value="85"/>
pitcher_fk * required integer(\$int32) (query)	
	<input type="text" value="1"/>
batter_fk * required integer(\$int32) (query)	
	<input type="text" value="14"/>
par * required string (query)	
	<input type="text" value="HOMER"/>
game_fk * required integer(\$int32) (query)	
	<input type="text" value="1"/>
inning * required number(\$float) (query)	
	<input type="text" value="5"/>

runs required

integer(\$int32)

(query)

team_runs_fk required

integer(\$int32)

(query)

200

Response body

1

Response headers

Possible Errors:

500 - Internal Server Error for duplicate entry

Get

Properties Needed:

- pa_pk (int)

Expected Response:

```
200 - {
  "pa_pk": 0,
  "pitcher_fk": 0,
  "batter_fk": 0,
  "pa_result": "OUT",
  "game_fk": 0,
  "inning": 0,
  "runs": 0,
  "team_runs_fk": 0
}
```


GET

/plate_appearances

Returns a Plate Appearance

Returns a Plate Appearance

Parameters

Name	Description
pa_pk	The plate appearance ID (i.e. '1')

integer(\$int32)
(query)

85

200

Response body

[
 {
 "pa_pk": 85,
 "pitcher_fk": 1,
 "batter_fk": 14,
 "pa_result": "HOMER",
 "game_fk": 1,
 "inning": 5,
 "runs": 3,
 "team_runs_fk": 2
 }
]

Possible errors:

404 - Not Found (pa_pk not found in table)

Update

Properties Needed:

- pa_pk (int)
- game_fk (int)

Expected Response:

200 - 1

PUT

/plate appearances

Modifies a Plate Appearances

Modifies a Plate Appearances

Parameters

Name	Description
pa_pk required integer(\$int32) (query)	The plate appearance ID (i.e. '1') <input type="text" value="85"/>
game_fk required integer(\$int32) (query)	<input type="text" value="2"/>

200

Response body

1

Response headers

200

Response body

[
{
"pa_pk": 85,
"pitcher_fk": 1,
"batter_fk": 14,
"pa_result": "HOMER",
"game_fk": 2,
"inning": 5,
"runs": 3,
"team_runs_fk": 2
}
]

Possible errors:

404 - Not Found (pa_pk not found in table)

Delete

Properties Needed:

- pa_pk (int)

Expected Response:

200 - 1

DELETE

/plate appearances

Deletes a Plate Appearances

Deletes a Plate Appearances

Parameters

Name	Description
pa_pk ★ required <code>integer(\$int32)</code> <i>(query)</i>	The plate appearance ID (i.e. '1')

85

200

Response body

1

404

Error:

Response body

```
{
  "reason": "Not Found",
  "status code": 404,
  "message": "java.util.NoSuchElementException: No plate appearances were found with pa_pk=85",
  "url": "/plate20appearances",
  "timestamp": "Mon, 20 Jun 2022 15:16:54 -0500"
}
```

Response hasMore

Possible errors:

404 - Not Found (pa_pk not found in table)

Link to Repo:

<https://github.com/SuperTondra4x4/Spring-Final-Project>