

Project4Task2Writeup – Steam Game Data App

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Description

My mobile application will take user's Steam ID as input and display the total number of games the user owns on the Steam platform and the game that he played for the longest time. It will then display the user Steam id, game id, name of the game, image icon of a game and the total number time the user spent on this game.

Here is how my application meets the task requirements

1. Log useful information

When receiving a request from a mobile devices, this web service will log the following information.

- The user agent in HTTP header for analyzing purpose.
- The time when the request is received from mobile user.
- Steam ID received from the user, this is also in the request send to the 3rd party API.
- The response sent to the mobile user.
- The url used to send request to the 3rd party API.

2. Store the log information in a database

The log information will be stored in the MongoDB database in the cloud.

The DashboardModel.java class will connect to MongoDB to write and retrieve information.

3. Display operations analytics and full logs on a web-based

3.1 The url to the dashboard: <https://vast-wave-97630.herokuapp.com/getResults>

3.2 Operation analytics:

- a. Most popular type of mobile device.
- b. Maximum number of game owned by Users.
- c. The Game played for the longest time by most of people.
- d. The dashboard displays the full logs, shown in the screenshot below.

4. Deploy the web service to Heroku

Url of this web service: <https://vast-wave-97630.herokuapp.com/>

Analytical Data

Most popular mobile device	Android
Maximum number of game owned by User	74
Game played for the longest time by most of people	PLAYERUNKNOWN'S BATTLEGROUNDS

Logs

Device Type	Android
Browser	other
3rd Party Request URL	http://api.steampowered.com/IPlayerService/GetOwnedGames/v0001/?key=18C3271FAB442E0163DFDC03C70083A4&steamid=76561198093832760&format=json&include_appinfo=1
User Steam ID	76561198093832760
Game Count	44
Game Name	The Witcher 3: Wild Hunt
Request Received Time	1522982537691

Device Type	Android
Browser	other
3rd Party Request URL	http://api.steampowered.com/IPlayerService/GetOwnedGames/v0001/?key=18C3271FAB442E0163DFDC03C70083A4&steamid=imumu3&format=json&include_appinfo=1
User Steam ID	imumu3
Game Count	0
Game Name	
Request Received Time	1522983433705

Device Type	Android
Browser	other
3rd Party Request URL	http://api.steampowered.com/IPlayerService/GetOwnedGames/v0001/?key=18C3271FAB442E0163DFDC03C70083A4&steamid=76561198223828660&format=json&include_appinfo=1
User Steam ID	76561198223828660
Game Count	74
Game Name	Counter-Strike: Global Offensive
Request Received Time	1522983468864

Device Type	Android
Browser	other
3rd Party Request URL	http://api.steampowered.com/IPlayerService/GetOwnedGames/v0001/?key=18C3271FAB442E0163DFDC03C70083A4&steamid=76561198221339952&format=json&include_appinfo=1
User Steam ID	76561198221339952
Game Count	5
Game Name	PLAYERUNKNOWN'S BATTLEGROUNDS
Request Received Time	1522983516001

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