

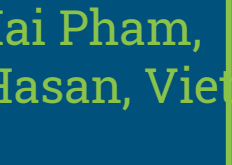


LCSS Lab Course

Good Game

A Social Catalog Website for
Gamers

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Syed Sameer Ul Hasan, Viet
Chu



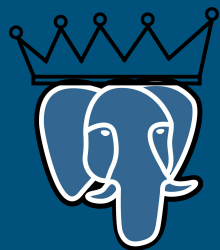
Overview

- Introduction
- Front-end
- Back-end
- Database
- Deployment
- Demonstration

Introduction

- Social catalog website for gamers
- Main page and individual game pages
- Features:
 - Read description
 - Rate
 - Write comments

Introduction



Viet



Long



Sameer



Hai

Front-end

ANGULAR 7 - But why?

- Clear structure
- Based on component

=> Easy for the cooperation between devs

=> Easy to add new feature

=> Easy to fix bug

Satisfy our requirement of quality attribute - **MAINTAINABILITY**




Front-end

[Home](#) [Games](#) [Categories](#)

Good Game!

Catching the trend and experiencing the best in the world of games!




PLAYERUNKNOWN'S BATTLEGROUNDS

★★★★★

PLAYERUNKNOWN'S BATTLEGROUNDS is a battle royale shooter that pits 100 players against each other in a struggle for survival. Gather supplies and outwit your opponents to become the last person standing.

[Play game](#) [Read more](#)




Dota2

★★★★★

Dota 2 is a multiplayer online battle arena video game developed and published by Valve Corporation. The game is a sequel to Defense of the Ancients, which was a community-created mod for Blizzard Entertainment's Warcraft III: Reign of Chaos and its expansion pack, The Frozen Throne.

[Play game](#) [Read more](#)




Super Smash Bros

★★★★★

Super Smash Bros is a series of crossover fighting video games published by Nintendo, and primarily featuring characters from various franchises of theirs. The series was created by Masahiro Sakurai, who has directed every game in the series.

[Play game](#) [Read more](#)




FIFA 19

★★★★★

FIFA 19 is a football simulation video game developed by EA Vancouver as part of Electronic Arts' FIFA series. Announced on 6 June 2018 for its E3 2018 press conference, it was released on 28 September 2018 for PlayStation 3, PlayStation 4, Xbox 360, Xbox One, Nintendo Switch, and Microsoft Windows.

[Play game](#) [Read more](#)



PLAYERUNKNOWN'S BATTLEGROUNDS

★★★★★

PLAYERUNKNOWN'S BATTLEGROUNDS is a battle royale shooter that pits 100 players against each other in a struggle for survival. Gather supplies and outwit your opponents to become the last person standing.

Rating ★★★★★

Comments

best game I have ever played

OMG so thrilling

this game is bad

Best game ever

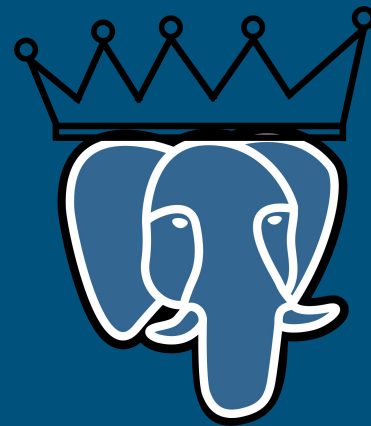
[Click here](#) Please say your mind...

Back-end

- Stack: Node.js, Express, REST, json
- Create a server app
- Set up static folder: HTML, JS bundles, icons etc
- Listen, query, response
- HTTP request handling
 - GET all games
 - GET a single game
 - PUT a rating value
 - PUT a comment



Database



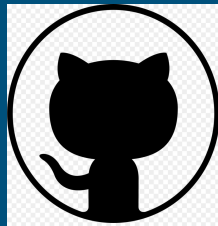
POSTGRESQL

- Open source database management system
- Runs on port 5432
- Data stored in Table
 - Each column is relational data
 - Each row is different information object

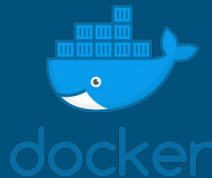
```
id | rate | name | description | {"best game I have ever played","OMG so thrilling"}
1 | 0 | Dota | Choose your champion and defend your world | {"Its hard but fun","This is the game I am looking for"}
3 | 0 | Mario | Lets rescue the princess | {"It is my childhood game, so many memories","Still too
4 | 0 | FIFA | Rock the Stadium | {"I love this, FIFA over PES, yay yay","overall FIFA is
(4 rows)

goodgamedb=#
```


Deployment



- Installing and configuring POSTGRESQL
- Cloning the repository from Github / Gitlab
- Configuring Firewall rules
- Creating a Dockerfile
- Building and running the Docker image



Demonstration



35.246.141.86:5000

THANK YOU

Questions ?