

Implementation

Possible Further Improvement
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API Tradey Project

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ssible Further Improvements .

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Problematic

Gaming is not as it used to be when we were kids, just a hobby after school or a pastime during weekends.

Nowadays, we are referring to video games industry.

However, we address one of the common, simple but frustrating worries.

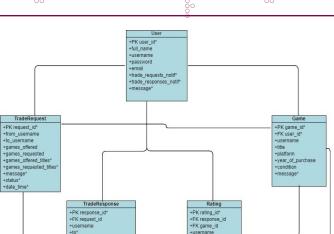
Many players finish a game and then move on to a new one, leaving their old games to collect dust on a shelf.

Motivation & Solution

- This main issue led Tradey API to show up.
- Tradey is an online platform that allows gamers to trade their used games with other gamers.
- Our objective is to allow gamers to continue enjoy their favorite hobby while also reducing waste and promoting sustainability.
- Additionally, it provides an easy and convenient process to trade games within the gaming community.
- Overall, our API is a win-win for both gamers and the environment.







+username +games_offered_titles* +value +games_requested_titles* +message* +status* +date_time +date_time* Figure: UML Diagram

API Tradey Project

+message*

+status*

* dump only



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Creating Account & Login

/users

/login

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JWT Token

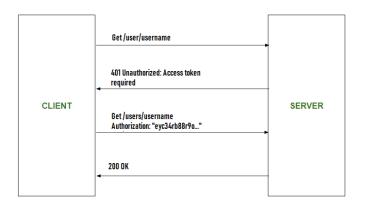


Figure: Authorization with JWT

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POST Methods

/games

/traderequests

/traderesponses

/ratings

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GET Methods

/users

/games

/traderequests

/traderesponses

/users/<username>

/games/<username>

/traderequests/<username>/received

/traderesponses/<username>/received/<response_id>

/ratings/<rating_id>

DELETE Methods

/users/<username>

/games/<username>/<game_id>

/traderequests/<username>/<request_id>

/ratings/<rating_id>

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Technology and Libraries







passlib, smtplib, marshmallow, pytz, uuid



Possible Further Improvements



- Front-end interface.
- More developed security for the system.
- More robust and maintained database.

Business Improvements

Include a marketplace for buying and selling used games with payment procedures.



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Possible Further Improvements



Scalability

The Project in itself is very scalable all around the world, especially in Tunisia as we are still struggling in the video games industry. It is not only going to facilitate the process of swapping games between gamers, but also minimize wastage.



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Possible Further Improvements

Thank you for your attention

Are there questions?