



Gacha Collection Beckend

290AA – Advanced Software Engineering

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User

- ID
- First Name
- Last Name
- E-mail
- Password (hash)
- History
- Currency Amount



Catalogue – All 151 Pokémon from 1^o gen

- Common (54,45%)



- Uncommon (40%)



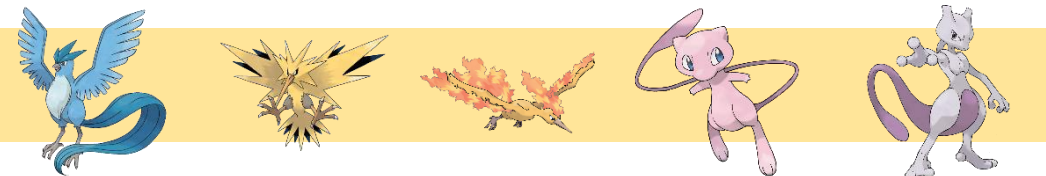
- Rare (5%)



- Epic (0,5%)



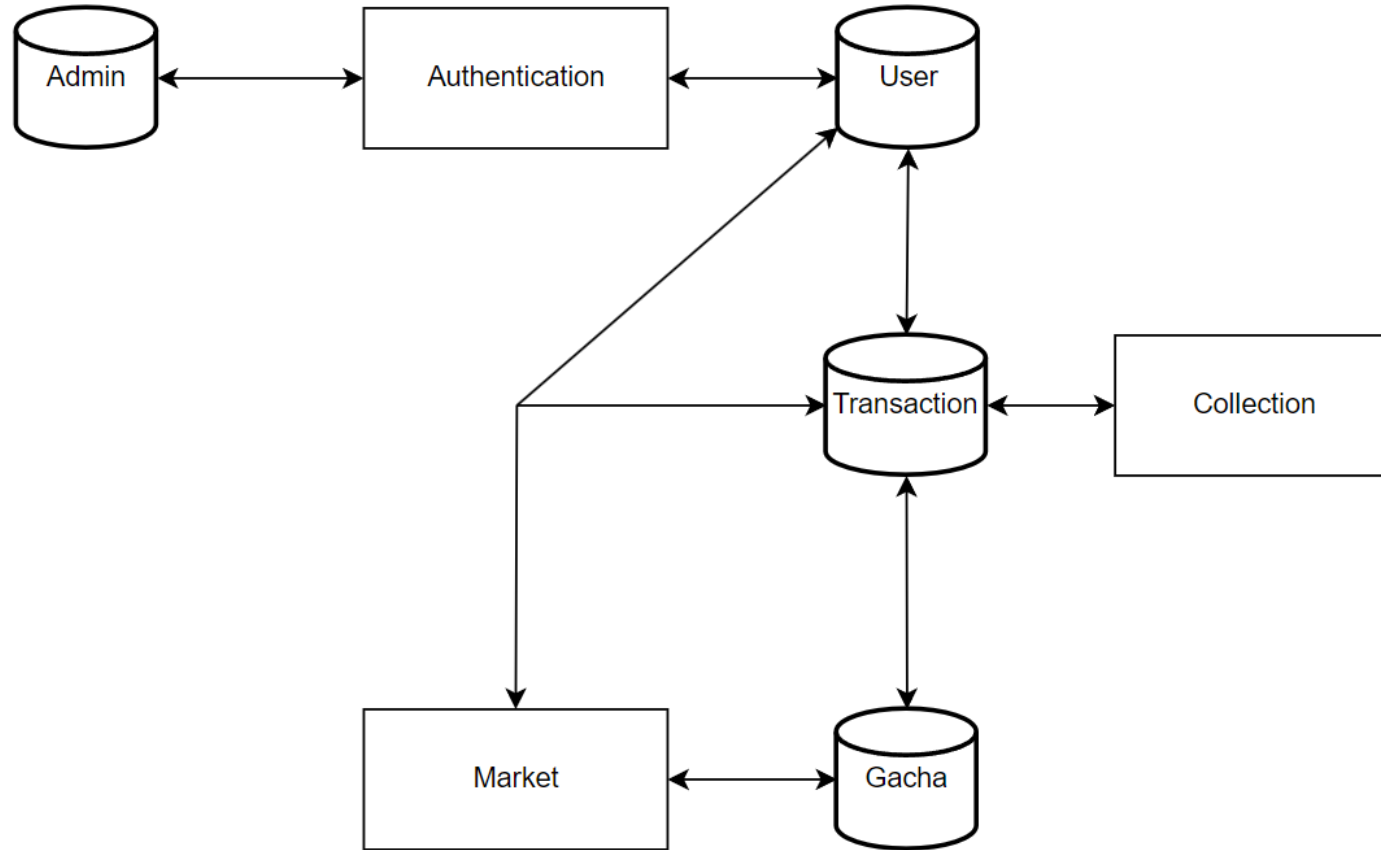
- Legendary (0,05%)



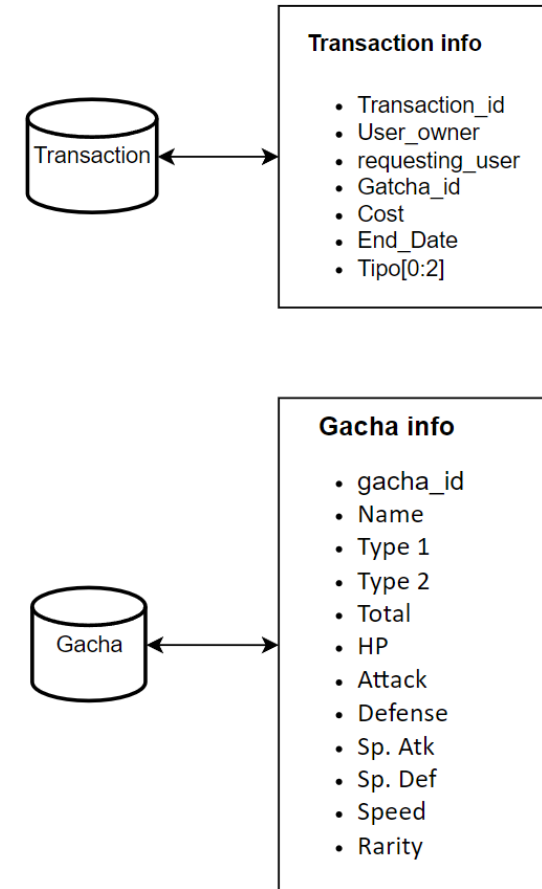
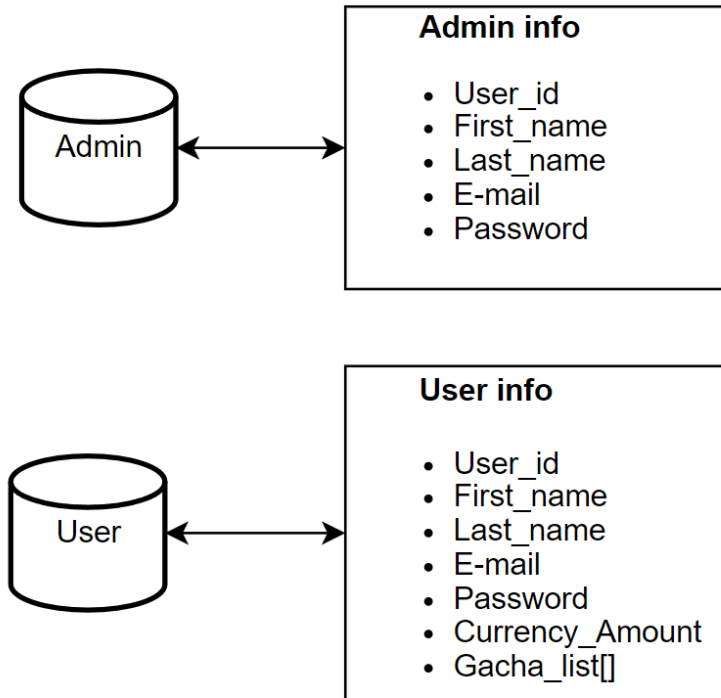
- **In-game currency: Pokedollars** ₪



The Architecture



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Authentication

The user access the authentication to:

- login
- logout
- create a game profile
- delete a game profile
- edit it's game profile

Collection

The user access the collection to:

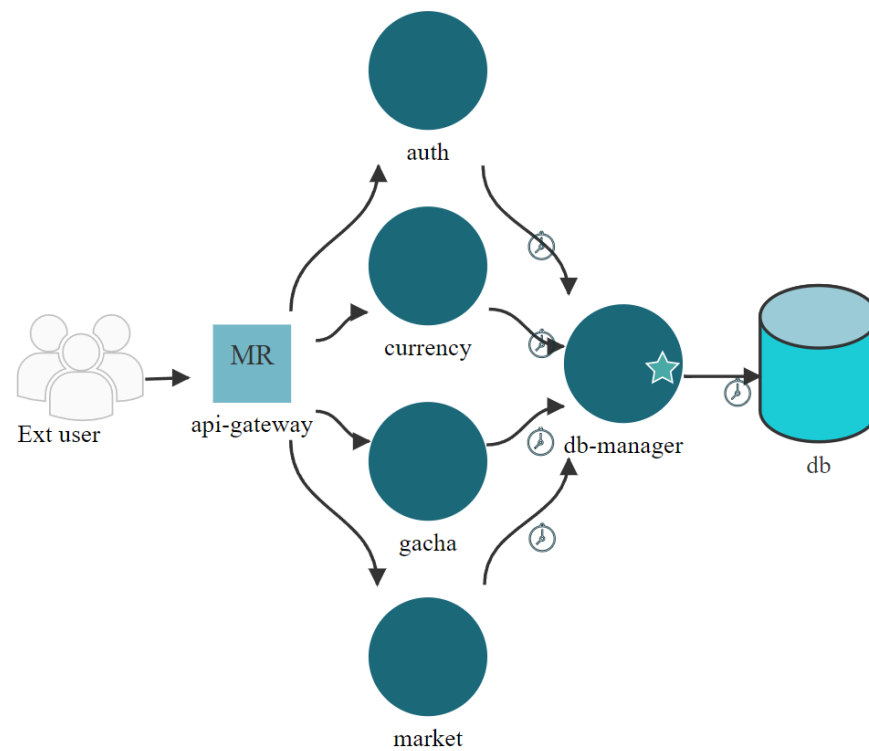
- see their gacha collection
- see the info of a gacha of thier collection
- see the system gacha collection
- see the info of a system gacha

Market

The user access the Market to:

- see the auction market
- set an auction for one of my gacha
- bid for a gacha from the market
- receive in-game currency when someone win my auction
- receive a gacha when I win an auction
- receive my in-game currency back when I lost an auction
- use in-game currency to roll a gacha
- buy in-game currency

Microfreshener



The micro-services

-api-gateway

This API Gateway acts as the main entry point for client requests, forwarding them to the appropriate microservices for processing. It integrates with multiple services.

-db-manager

This API is part of a microservices architecture and handles all the queries to the database.

-auth-service

This API is part of a microservices architecture and serves as the user management service for the application. It provides operations such as register a new user or authenticate a user

-currency-service

This API is part of a microservices architecture and serves as the currency management service for the application. It provides operations for managing in-game currency and rolling gacha items.

-gacha-service

This API is part of a microservices architecture and serves as the gacha management service for the application. It provides operations for managing gachas and retrieving gacha infos.

-market-service

This API is part of a microservices architecture and handles transactions related to gacha items and user purchases. It interacts with other services to track and update user transactions.