

COMP9321 – Assignment2 Project

Group :)

Application (Web application - frontend)

We design a game website application use a part of the API we designed.

1.User: gamer and game developer

2.Service:

①Supply top sale games data to all users ◦

②Sign up and Log in ◦

③For gamer: Game recommendation - Gamer can choose some games they like from 30 hottest games and the get some recommended games according to the games they chosen.

④For game developer: Predict service - Developer can choose genre, platform, year and so on (the game he/she plan to develop) to get an prediction of evaluation and the amount of the game's competitors; more sales and evaluation data about the past games according to different parameters they chosen.

Restful API

namespaces	route	method	description
auth	/auth/token	GET	Get the token (API key)
users		POST	Sign up for membership
		GET	Get list of users with their emails
	/username	GET	Get the info of that specific user
	/username	PUT	Update the info of that specific user (user him/herself or Admin only)
	/username	DELETE	Delete that specific user (Admin only)
predict	/esrb	GET	Get ML result for ESRB rating
	/linear	GET	ML result for prediction the amount of games
games	/2019	GET	Get info of all games which published in 2019
	/2019	POST	Create a game which published in 2019
	/2019/{id}	GET	Get the info of that specific game
	/2019/{id}	PUT	Update the info of that specific game
	/2019/{id}	DELETE	Delete specific game (Admin only)
	/populargames	GET	Get the list of top30 popular games
	/topsales	GET	Get the list of top-selling games in different query (year, platform, genre)
	/topscores	GET	Get the list of top-rating games in different query (year, platform, genre)
countries		GET	Get the game sales record of each country
		POST	Create a new record of game sale of country
	/id	DELETE	Delete game sale of specific country (Admin only)
	/id	PUT	Update game sale of specific country
	/id	GET	Get game sale of specific country
recommends		GET	Get list of ML-based recommendation for each user
		POST	Create a ML-based recommendation of the user
	/username	DELETE	Delete recommendation (user him/herself or admin only)
	/username	PUT	Update recommendation (user him/herself or admin only)
	/username	GET	Get recommendation record of specific user
apiusages		GET	Get list of API usages in 24hr
	/services	GET	Get record of that service in 24hr