Back-end Web Development

SnapSell

By

Class: DIT/FT/1B/01

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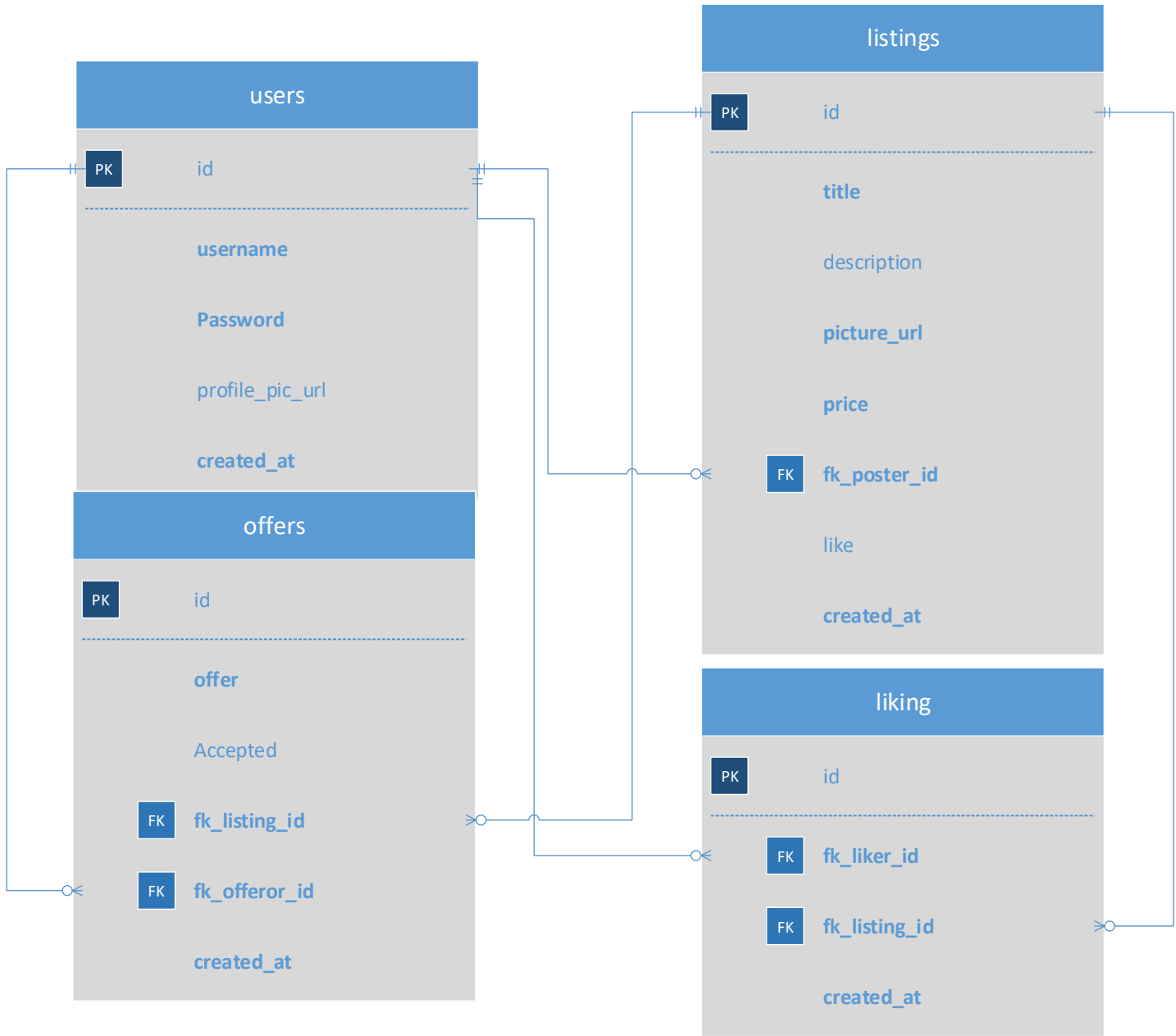
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Setup instructions

1. Open the database.sql to mysql workbench
2. Run the sql script.
3. Open databaseConfig.js in model folder.
4. Change the user, password and database to what you have set.
5. Make sure express, mysql, body-parser , bcryptjs , pm2 and multer is installed.
6. environment variable key (generate using crypto) and port 8081.
7. Run npm start in the Command Prompt.

Database diagram

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users

PK	id
	username
	Password
	profile_pic_url
	created_at

offers

PK	id
	offer
	Accepted
FK	**fk_listing_id**
FK	**fk_offeror_id**
	created_at

listings

PK	id
	title
	description
	picture_url
	price
FK	**fk_poster_id**
	like
	created_at

liking

PK	id
FK	**fk_liker_id**
FK	**fk_listing_id**
	created_at

Addition information

- Server.js is API server and index.js is web server

API

- The like column in listings table will be default to 0 and will increase or decrease whenever the user like or unlike the listings respectively
- To give a like or unlike send a request to /listings/:listingid/like with user id as fk_liker_id and a method of post or delete respectively
- You can see the liking information by listings or user by sending a get request to /listings/:listingid/like or /users/:userid/like respectively
- Each user can only give one like to each listings.
- User can only unlike the listings if and only if they had like the listing before and they will then not be allowed unlike the listings until they like the listing again.
- User who want to upload their profile picture into the server will upload through "profile_pic" instead of "profile_pic_url".

front end website

- As web server is hosted in port 80 you do not need to tell the browser the port number.
- front end is fully written in vanilla JavaScript/CSS no library or framework was used.
- I tried to make the website Cross-site scripting safe but no guarantee.
- I use some newer JavaScript syntax, so please make sure not to open it on an older browser. (e.g. Internet Explorer)