

## Startup 07: Adding a Database

### Team Fig: U-Fig-It-Out

Founders: Craig Fan, Joseph Lew, Gregoire Robinson, T.J. Wilder, Trent Kindvall

#### Starting the website:

- 1) Pull from the git repository
- 2) In the U-Fig-It-Out/server/node\_modules/mongo-express directory, open config-default.js
- 3) Replace the mongo options in this file with:

```
mongo = {  
  db:      'UFigItOut',  
  host:    'localhost',  
  password: 'pass',  
  port:    27017,  
  ssl:     false,  
  url:     'mongodb://localhost:27017/UFigItOut',  
  username: 'admin',  
};
```

- 4) Create any folder outside the project directory for hosting the database
- 5) Run `$ mongod --dbpath foldername` using the name of the folder in step 4
- 6) In the U-Fig-It-Out/client/ directory, run `$ npm run watch`
- 7) In the U-Fig-It-Out/server/ directory, run `$ node src/resetdatabase.js`
- 8) In the U-Fig-It-Out/server/ directory, run `$ node src/server.js`
- 9) Open a browser and visit `http://localhost:3000/` for our website!

## HTTP Requests / Routes

### GET /categories

Retrieves all categories from the database and returns them as an array. Used by searchleftbar.js as well as newlisting.js.

### GET /categories/:categoryid

Retrieves all items belonging to a category and passes them to searchlistings.js so that these can be rendered in the Search Results page.

### GET /user/:userid/info

Retrieves all data pertaining to a particular user id, including username, email, rating, etc. Items that the user is buying or selling is also included in the user info as an array of item ids. GET /items/ can retrieve all items of a user using this array.

### POST /items

Retrieves the information about all the items passed in. Takes a json object containing an item id or a list of such ids and returns a list of item information. This replaces getItemListings(itemIds, cb). All users are authorized.

### POST /make\_listing/:id

Creates a new listing and adds it to the database using a schema.json file and the method demonstrated in the workshop.

### POST /items/search

Effectively returns the results of a db.item\_listings.find using the search parameters provided by the json body of the request. It's used by the search listings page to show results that match a given search text in the search bar.

## **Individual Contributions**

TJ: Worked on the /items and /items/search endpoints. Updated some code to use better react practices. Fixed a number of bugs and made some slight modifications across all pages. Added search functionality to search by the title and description of item\_listings. Added the ability to upload images when creating new listings.

Greg: Implemented GET '/categories' and worked on GET '/categories/:categoryid'. Worked with Trent on fixing POST '/make\_listing/:id' as well as storeListing, and worked on a number of bugs with TJ.

Craig: Worked on linking main page categories to search listings. Restructuring project into client and server side. Migrating database to server side. Modifying imports on server.js. Helped anybody needing help with their HTTP request.

Joseph: Worked on anything the profile page and navbar use, including the GET 'users/:userid/info' route. Fixed various bugs and broken links. Added more items to the database for aesthetics in the presentation.

Trent: Worked on make\_listing, adjusted the store listing method and the post commands for make\_listing, to work with the new database. Worked on general server methods to make server.js connect to the database.

## **Lingering Bugs / Issues / Dropped Features**

- The formatting of the item listing page gets messed up when the images are too large and the formatting can change depending on which image is in the primary display. Equally, the button to cycle through primary images appears regardless of the number of images
- After submission of a new listing the text boxes don't clear like they should
- Dropped messages and ratings functionality
- The edit button on profile pages currently links to nothing
- The "Add a new listing" feature and edit button should not show on profiles that are not the user's own profile
- Search using the navbar works but the large search bar on the main page doesn't work