

FindIt!

Software Methods & Tools

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FIND IT

Introductions

Test team please ignore



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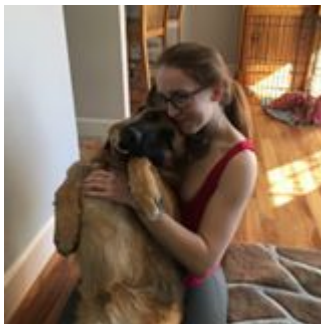
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Overview

- Users upload an image from a certain location
- Other users can play this “round”
- Goal is to find the location of the item in the image
- Can only “find” in person
- Finding it sooner yields more points
- Compete against your friends!

Tools

1 | NodeJS



- Purpose: Backend Infrastructure
- Rating: 4/5

2 | PostgreSQL



- Purpose: Database
- Rating: 4.5/5

3 | Heroku



- Purpose: Deployment Environment
- Rating: 5/5

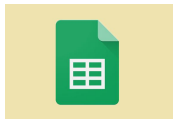
More Tools

4. **VCS Repository:** Git/Github



Effectiveness ranking: ★★★★★

5. **Project Tracker**(ish): Google Sheets



Effectiveness ranking: ★★★★★

Project Management

Methods Used:

- **Pair programming**

- Effectiveness ranking: ★★★★★

- **Peer Code Review (Github / In Person)**

- Effectiveness ranking: ★★★★★

- **Communication: Slack / SMS**

- Effectiveness ranking: ★★★

- **Approach:
Iterative but not
really agile**

Application Architecture

- Heroku (Github-based cont. integration)
- NodeJS and EJS server-side templating
- PostgreSQL
- Client-side javascript and Geolocation API
- Bootstrap & W3schools CSS

```
{  
  "name": "FindIt!",  
  "main": "server.js",  
  "dependencies": {  
    "bcrypt": "^3.0.4",  
    "connect-busboy": "0.0.2",  
    "connect-pg-simple": "^5.0.0",  
    "dotenv": "^7.0.0",  
    "ejs": "^2.5.5",  
    "ejs-lint": "^0.3.0",  
    "express": "^4.16.4",  
    "express-session": "^1.15.6",  
    "filenamify": "^4.0.0",  
    "inflected": "^2.0.4",  
    "npm": "^6.9.0",  
    "pg-promise": "^8.5.1",  
    "unique-filename": "^1.1.1"  
  },  
  "scripts": {  
    "watch": "nodemon server.js"  
  },  
  "devDependencies": {  
    "nodemon": "^1.18.10"  
  }  
}
```

Major Changes During Process

- Changed Idea from Syllabuster to Findit 2 weeks into process
- Pulling location data from picture metadata was scrapped
- App moved from Amazon to Heroku

Challenges

- Coordinating tasks among group
- Differences in experience
- Integrating different tools/frameworks
- Scheduling conflicts (attendance)
- Agreeing on color scheme for this slide
- Reading this line

DEMO!

<https://findit-app.herokuapp.com>