

Family Tree Project Cheat Sheet

1 Project Folder Structure

```
family-tree/  
|— index.html  
|— profile.html  
|— js/  
|   |— tree.js  
|   |— profile.js  
|— style.css  
|— family.json  
|— images/  
|   |— cat.jpg  
|   |— fridge.jpg  
|   |— fridge_2.jpg  
|— videos/  
    |— sigma1.mp4
```

2 Typical Use Cases & Steps

Add a New Person

1. Edit `family.json`:

```
{  
  "id": 3,  
  "name": "New Person",  
  "photo": "images/new_person.jpg",  
  "bio": "Born in 1995, loves hiking.",  
  "pictures": ["images/new_person1.jpg"],  
  "videos": [],  
  "children": []  
}
```

2. Add the new person's ID under parent `children` array.

Update Person's Photos or Bio

1. Edit `family.json` for the person:

```
"pictures": ["images/fridge.jpg", "images/fridge_2.jpg"]
"bio": "Updated biography here."
```

Run Local Server

```
python -m http.server 8000
```

- Open browser: `http://localhost:8000`

Update GitHub Repository

```
git status
git add .
git commit -m "Add new person / update photos / CSS tweaks"
git push origin main
```

- Check GitHub Pages URL: `https://YOUR_USERNAME.github.io/family-tree/`

Validate JSON

- Use <https://jsonlint.com> to ensure correct formatting.

CSS / JS Tweaks

- Adjust spacing and connectors in `tree.js`:

```
connectors: { type: "bCurve", style: { stroke: "#4CAF50", "stroke-width":
2 } },
siblingSeparation: 40,
subTeeSeparation: 60
```

- Responsive design in `style.css`:

```
@media (max-width: 600px) {
  .person-node img {
    width: 50px;
    height: 50px;
  }
  .person-node {
    padding: 5px;
    font-size: 12px;
  }
}
```

```
}  
}
```

Add Videos

1. Place video in `videos/` folder.
2. Update `family.json`:

```
"videos": ["videos/sigma1.mp4"]
```

Test GitHub Pages

- After pushing, wait 1-2 minutes.
- Reload site and check for 404s in browser Network tab.

3 Useful Commands

Task	Command
Run local server	<code>python -m http.server 8000</code>
Check git status	<code>git status</code>
Stage changes	<code>git add .</code>
Commit changes	<code>git commit -m "message"</code>
Push to GitHub	<code>git push origin main</code>
Validate JSON	Use https://jsonlint.com

This cheat sheet covers the main workflow for adding/editing family members, testing locally, updating GitHub Pages, and keeping your JSON and assets organized.