# 📁Complete iSteam Employee Hours System

## Project Structure

```
isteam-employee-hours/
├── backend/
│   ├── app.py
│   ├── requirements.txt
│   ├── .env
│   ├── .gitignore
│   ├── Procfile
│   └── render-build.sh
├── frontend/
│   ├── public/
│   │   └── index.html
│   ├── src/
│   │   ├── App.js
│   │   ├── index.js
│   │   └── index.css
│   ├── package.json
│   ├── .gitignore
│   └── README.md
├── docs/
│   ├── SETUP_GUIDE.md
│   ├── DEPLOYMENT_GUIDE.md
│   └── FREE_HOSTING_GUIDE.md
├── .gitignore
└── README.md
```

## Files to Create

I'll provide each file below with its complete content. Copy each section into the corresponding file.

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## Root Files

`README.md` **(Project Root)**

See file content in next artifact.

`.gitignore` **(Project Root)**

```
# Python
__pycache__/
*.py[cod]
*$py.class
*.so
.Python
env/
venv/
ENV/
backend/venv/
*.egg-info/
.env

# Node
node_modules/
npm-debug.log
yarn-error.log
frontend/build/
frontend/.env.local

# IDEs
.vscode/
.idea/
*.swp
*.swo
*~

# OS
.DS_Store
Thumbs.db

# Database
*.db
*.sqlite3

# Logs
*.log
```

## Backend Files

All files below go in the `backend/` folder.

**File Locations:**

- `backend/app.py` - Main Flask application

- `backend/requirements.txt` - Python dependencies

- `backend/.env` - Environment variables (DON'T commit to git)

- `backend/.gitignore` - Backend specific ignores

- `backend/Procfile` - For Heroku deployment

- `backend/render-build.sh` - For Render deployment

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## Frontend Files

All files below go in the `frontend/` folder.

**File Locations:**

- `frontend/package.json` - Node dependencies

- `frontend/public/index.html` - HTML template

- `frontend/src/App.js` - Main React component

- `frontend/src/index.js` - React entry point

- `frontend/src/index.css` - Global styles

- `frontend/.gitignore` - Frontend specific ignores

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## Documentation Files

All files in `docs/` folder (optional but recommended).

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# Quick Reference: What Goes Where

## Backend Folder (`backend/`)

1. `app.py` - ✅Already provided in artifacts above

2. `requirements.txt` - ✅Already provided

3. `.env` - ✅Already provided (edit with your values)

4. `Procfile` - Create this file

5. `render-build.sh` - Create this file

6. `.gitignore` - Create this file

## Frontend Folder (`frontend/`)

1. Run: `npx create-react-app frontend`

2. Replace `src/App.js` with the React component from artifacts

3. Update `public/index.html` with Tailwind CDN

4. Update `package.json` with proxy setting

## Root Folder

1. `README.md` - Project overview

2. `.gitignore` - Git ignore rules

3. `docs/` - All documentation guides

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# Next Steps

After creating all files:

1. **Initialize Git:**

```bash
git init
git add .
git commit -m "Initial commit"
```

2. **Test Locally:**

```bash
# Terminal 1 - Backend
cd backend
pip install -r requirements.txt
python app.py

# Terminal 2 - Frontend
cd frontend
npm install
npm start
```

3. **Deploy to Render.com** (see FREE_HOSTING_GUIDE.md)

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All file contents are provided in the following artifacts!