

# Job Portal Web Application - Installation Instructions

This instruction file guides you step-by-step on how to set up and run the Job Portal Web Application on your local machine.

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## System Requirements

- Python 3.7 or above
  - pip (Python package manager)
  - Git (optional, for cloning repository)
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## Step-by-Step Setup

### 1. Clone or Download the Project

If you are using Git:

```
$ git clone https://github.com/yourusername/job-portal-app.git
$ cd job-portal-app
```

Or simply download the `.zip` of the project and extract it.

### 2. Create a Virtual Environment (Recommended)

```
$ python -m venv venv
$ source venv/bin/activate # Windows: venv\Scripts\activate
```

### 3. Install Required Dependencies

If `requirements.txt` is available:

```
$ pip install -r requirements.txt
```

Or manually:

```
$ pip install Flask Flask-SQLAlchemy Flask-Login requests werkzeug
```

## 4. Initialize the Database

On first run, the application will automatically create `jobportal.db`:

```
$ python app.py
```

You will see:

```
Running on http://127.0.0.1:5000/
```

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## First Time Setup

### Register Users:

- Visit `http://127.0.0.1:5000/register`
- Create accounts for Job Seeker and Employer roles.

### Creating Admin:

To assign admin privileges to a user: 1. Open SQLite browser or use command line:

```
UPDATE user SET role = 'admin' WHERE id = 1;
```

2. Or temporarily set the role in the register function.

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## Run the App

```
$ python app.py
```

Then go to:

```
http://127.0.0.1:5000
```

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## Clean Up

To reset the database:

```
$ rm jobportal.db # or delete manually
```

Then re-run `app.py` to regenerate it.

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## Notes

- The app runs in debug mode. Set `debug=False` in production.
  - Admins can manage all users and jobs.
  - Employers can manage only their own job listings.
  - Jobseekers can apply to jobs once.
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## Support

For issues, please contact the developer or project maintainer.

Enjoy using the Job Portal Web App!