INSTRUCTIONS FOR RUNNING

\*\*Prerequisites\*\*

For Mac:

1. \*\*Install Homebrew\*\* (if not already installed):

```bash:

/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"

```

2. \*\*Install Node.js and MySQL:\*\*

```bash:

brew install node

brew install mysql

```

For Windows:\*\*

1. \*\*Install Node.js:\*\*

- Go to https://nodejs.org/

- Download and install the LTS version

- Verify installation: `node --version`

2. \*\*Install MySQL:\*\*

- Go to https://dev.mysql.com/downloads/installer/

- Download MySQL Installer

- Run installer and follow setup wizard

- Remember the root password you set during installation

## \*\*Step-by-Step Setup Instructions\*\*

### \*\*Step 1: Clone/Download the Project\*\*

\*\*Mac:\*\*

```bash

# Navigate to your desired directory

cd ~/Desktop

# If you have the project as a ZIP file, extract it:

unzip final.zip

cd final

```

\*\*Windows:\*\*

```cmd

# Navigate to your desired directory

cd C:\Users\YourUsername\Desktop

# If you have the project as a ZIP file, extract it

# Right-click the ZIP file and select "Extract All"

cd final

```

### \*\*Step 2: Install Dependencies\*\*

\*\*Mac & Windows:\*\*

```bash:

npm install

```

### \*\*Step 3: Start MySQL Service\*\*

\*\*Mac:\*\*

```bash:

# Start MySQL service

brew services start mysql

# Set root password (if not already set)

mysql\_secure\_installation

# Follow the prompts to set a root password

```

\*\*Windows:\*\*

```cmd

# MySQL should already be running from installation

# If not, open Services app and start MySQL service

# Or use command prompt as administrator:

net start mysql

```

### \*\*Step 4: Configure Database Connection\*\*

\*\*Mac & Windows:\*\*

1. \*\*Open the database configuration file:\*\*

```bash:

# Mac

nano backend/db.js

# Windows

notepad backend\db.js

```

2. \*\*Update the password in `backend/db.js`:\*\*

```javascript

const pool = mysql.createPool({

host: 'localhost',

user: 'root',

password: 'YOUR\_MYSQL\_ROOT\_PASSWORD\_HERE', // ← Change this line

database: 'internlinkt',

waitForConnections: true,

connectionLimit: 10,

queueLimit: 0

});

```

3. \*\*Save the file and exit:\*\*

- \*\*Mac (nano):\*\* Press `Ctrl + X`, then `Y`, then `Enter`

- \*\*Windows (notepad):\*\* Press `Ctrl + S`, then close the window

### \*\*Step 5: Create and Setup Database\*\*

\*\*Mac & Windows:\*\*

1. \*\*Access MySQL command line:\*\*

```bash

mysql -u root -p

# Enter your MySQL root password when prompted

```

2. \*\*Run the database setup script:\*\*

```sql

source database\_setup.sql;

```

3. \*\*Verify the database was created:\*\*

```sql

SHOW DATABASES;

USE internlinkt;

SHOW TABLES;

```

4. \*\*Exit MySQL:\*\*

```sql

EXIT;

```

### \*\*Step 6: Create Resumes Directory\*\*

\*\*Mac:\*\*

```bash

mkdir -p backend/public/resumes

```

\*\*Windows:\*\*

```cmd

mkdir backend\public\resumes

```

### \*\*Step 7: Start the Application\*\*

\*\*Mac & Windows:\*\*

```bash

npm start

```

### \*\*Step 8: Access the Application\*\*

\*\*Mac & Windows:\*\*

1. Open your web browser

2. Navigate to: `http://localhost:3000`

3. You should see the InternLinkt homepage

## \*\*Troubleshooting Common Issues\*\*

### \*\*If MySQL Connection Fails:\*\*

\*\*Mac:\*\*

```bash

# Check if MySQL is running

brew services list | grep mysql

# If not running, start it

brew services start mysql

# Reset MySQL root password if needed

mysql -u root

ALTER USER 'root'@'localhost' IDENTIFIED BY 'new\_password';

FLUSH PRIVILEGES;

EXIT;

```

\*\*Windows:\*\*

```cmd

# Check if MySQL is running

sc query mysql

# If not running, start it

net start mysql

# Reset MySQL root password if needed

mysql -u root

ALTER USER 'root'@'localhost' IDENTIFIED BY 'new\_password';

FLUSH PRIVILEGES;

EXIT;

```

### \*\*If Port 3000 is Already in Use:\*\*

\*\*Mac & Windows:\*\*

```bash

# Find process using port 3000

lsof -i :3000 # Mac

netstat -ano | findstr :3000 # Windows

# Kill the process

kill -9 <PID> # Mac

taskkill /PID <PID> /F # Windows

# Then restart the app

npm start

```

### \*\*If Dependencies Are Missing:\*\*

\*\*Mac & Windows:\*\*

```bash

# Clear npm cache and reinstall

npm cache clean --force

rm -rf node\_modules package-lock.json # Mac

rmdir /s node\_modules && del package-lock.json # Windows

npm install

```

## \*\*Testing the Application\*\*

1. \*\*Create a Student Account:\*\*

- Click "Join as Student"

- Fill in all required fields

- Click "Create Account"

2. \*\*Create a Company Account:\*\*

- Click "Join as Company"

- Fill in company details

- Click "Create Account"

3. \*\*Test Login:\*\*

- Use the credentials you just created

- Verify you can access the respective dashboard

4. \*\*Test Features:\*\*

- \*\*Students:\*\* Browse internships, apply, edit profile

- \*\*Companies:\*\* Create internships, view applications, edit profile

## \*\*Default Test Accounts\*\*

The database setup includes these test accounts:

- \*\*Student:\*\* john.smith@example.com / password123

- \*\*Student:\*\* sarah.johnson@example.com / password123

- \*\*Company:\*\* company@example.com / password123

## \*\*Stopping the Application\*\*

\*\*Mac & Windows:\*\*

```bash

# In the terminal where the app is running

Ctrl + C

# To stop MySQL service

brew services stop mysql # Mac

net stop mysql # Windows

```

## \*\*File Structure After Setup\*\*

```

zain/

├── backend/

│ ├── db.js (updated with your MySQL password)

│ ├── server.js

│ ├── routes/

│ └── public/

│ ├── resumes/ (created directory)

│ ├── \*.html

│ ├── \*.js

│ └── style.css

├── database\_setup.sql

├── package.json

└── README.md

```

## \*\*Security Notes\*\*

1. \*\*Never commit your actual MySQL password to version control\*\*

2. \*\*Consider using environment variables for production\*\*

3. \*\*The current setup uses default MySQL root user - consider creating a dedicated database user for production\*\*

## \*\*Next Steps for Development\*\*

1. \*\*Make changes to the code\*\*

2. \*\*Restart the server:\*\* `Ctrl + C` then `npm start`

3. \*\*The app will automatically reload with your changes\*\*

This setup will give you a fully functional InternLinkt application running locally on your machine!