Job Application Analyzer - Flowchart Guide

Instructions for Creating in Draw.io
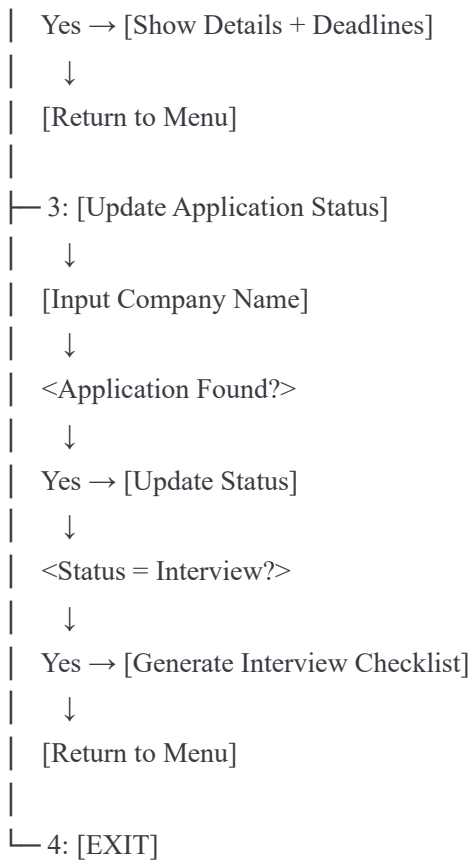
Create your flowchart with these components:

Start/End (Oval/Rounded Rectangle)

- **START**: "Job Application Analyzer System"

- **END**: "Exit System"

Process Flow:

```
[START]
  ↓
[Initialize System]
  ↓
[Load Resume Data] → Input: Skills, Certs, Experience
  ↓
[Display Main Menu]
  ↓
<Choice: 1-4?> ← (Diamond - Decision)
  ↓
  ├── 1: [Load Job Description]
  │    ↓
  │   [Calculate Match Score]
  │    ↓
  │   [Find Missing Skills]
  │    ↓
  │   [Generate Recommendations]
  │    ↓
  │   [Display Results]
  │    ↓
  │   <Track Application?>
  │    ↓
  │   Yes → [Add to Tracker]
  │    ↓
  │   [Return to Menu]
  │
  ├── 2: [Display All Applications]
  │    ↓
  │   <Any Applications?>
  │    ↓
```

```
│  Yes → [Show Details + Deadlines]
│     ↓
│  [Return to Menu]
│
├── 3: [Update Application Status]
│     ↓
│  [Input Company Name]
│     ↓
│  <Application Found?>
│     ↓
│  Yes → [Update Status]
│     ↓
│  <Status = Interview?>
│     ↓
│  Yes → [Generate Interview Checklist]
│     ↓
│  [Return to Menu]
│
└── 4: [EXIT]
```

Key Symbols to Use:

1. **Oval**: Start/End

2. **Rectangle**: Process steps

3. **Diamond**: Decision points

4. **Parallelogram**: Input/Output

5. **Arrow**: Flow direction

Color Coding Suggestion:

- **Green**: Start/Success paths

- **Blue**: Main processes

- **Yellow**: Decision points

- **Orange**: Input/Output

- **Red**: End/Error paths

Sub-Process Detail: Calculate Match Score

```
[Calculate Match Score]
   ↓
```

```
[Initialize: totalPoints = 0]
  ↓
[For each required skill]
  ↓
<Skill in resume?>
  ├── Yes → [Add points]
  └── No → [Continue]
  ↓
[Calculate skill score (50%)]
  ↓
[For each certification]
  ↓
<Cert in resume?>
  ├── Yes → [Add points]
  └── No → [Continue]
  ↓
[Calculate cert score (30%)]
  ↓
[Check preferred skills (20%)]
  ↓
[Return total score]
```

Draw.io Steps:

1. Go to draw.io or app.diagrams.net

2. Create New Diagram → Blank

3. Use left panel for shapes (Flowchart section)

4. Add text to each shape

5. Connect with arrows

6. Export as PNG: File → Export As → PNG

7. Save as: job_analyzer_flowchart.png

Alternative: Hand-drawn Flowchart

If drawing by hand:

1. Use ruler for neat boxes

2. Keep spacing uniform

3. Use clear labels

4. Draw arrows with direction

5. Scan at 300 DPI or higher

6. Convert to PNG format

File Name: job_analyzer_flowchart.png
Location: flowchart/ directory
Dimensions: Minimum 1200x1600 pixels for clarity