```
┌─────────────────┐     ┌─────────────────┐
│   Create User   │     │   Login User    │
└─────────────────┘     └─────────────────┘
         ▲                       ▲
         │                       │
 POST: /auth/signup      POST: /auth/signin
         │                       │
         ○───────────────────────┘
        person
         │
    GET: /jd/home
         │
         ▼
┌─────────────────┐
│ Job Descriptions │───── Role = Candidate ─────▶┌──────────────────────┐   POST: /jd/apply/:JID   ┌──────────────────┐
└─────────────────┘                              │ "Apply" Button At Each JD │─────────────────────────▶│ Post User Details │
                                                 └──────────────────────┘                              └──────────────────┘
        Role = HR

                                                 ┌──────────────────────┐                              ┌──────────────────┐
                          ─────────────────────▶│ "See Applications" Button │─── GET: /jd/applications/:JID ─▶│ Show Applications W │
                                                 │      at Each JD          │                              │   BERT Score       │
                                                 └──────────────────────┘                              └──────────────────┘
                                                                                                                 │
                                                                                                                 ▼
                                                                                                        ┌──────────────────┐
                                                                                                        │ "Selected" Button At E │
                                                                                                        │    Application      │
                                                                                                        └──────────────────┘
        Role = Candidate

                                                 ┌──────────────────────┐                              ┌──────────────────┐
                          ─────────────────────▶│ "Post New JD" Button At │─── GET: /jd/add-jd/form ───▶│ Open Form For New │
                                                 │         Top             │                              └──────────────────┘
                                                 └──────────────────────┘

                                                 ┌──────────────────────┐                              ┌──────────────────┐
                          ─────────────────────▶│ "Test" Button In Particular │── Get: /test/show/:JID ──▶│ Generate Test And S │
                                                 │  Job Description If         │                              │       Test          │
                                                 │ candidate is selected       │                              └──────────────────┘
                                                 └──────────────────────┘

        Role = HR
                                                 ┌──────────────────────┐                              ┌──────────────────┐
                          ─────────────────────▶│ "See Reports" Button For │─── Get: /jd/homel ────────▶│ Show Job Descriptio │
                                                 │         HR               │                              │   Once Again        │
                                                 └──────────────────────┘                              └──────────────────┘
                                                                                                                 │
                                                 ┌──────────────────────┐
        ── GET: /report/:CID/:JID ─────────────▶│ Get Test Report Of A Single │
                                                 │      Candidate           │
                                                 └──────────────────────┘

                                                 ┌──────────────────────┐                              ┌──────────────────┐
                          ─────────────────────▶│ "See Selected Candidates" │── Get: /jd/homel ─────────▶│ Show Job Descriptions │
                                                 │     Button For HR        │                              │   Once Again        │
                                                 └──────────────────────┘                              └──────────────────┘
```

AI Model

s ──POST: /resume-scan──→ Use BERT And Save Similarity Score

With ─────────→ "Rejected" Button At Each Application ──POST: /jd/reject-resume/:JID/:CID→ Reject Resume

Each ──POST: /jd/select-resume/:JID/:CID→ Accept Resume For Test ──email──→ Send Email To Candidate

email ↓ (from Reject Resume to Send Email To Candidate)

POST: /test-generate ──→ AI Model

Use Gemini For Test Generation And Save The Test

JD ──POST: /jd/new-jd──→ Post New Job Description

Send ──POST: /test/submit/:JID──→ Submit Test, Save Score And Report In DB ──→ Get Your Own Test Report

────GET: /test/my-report/:JID────

ons ──GET: /reports/show-report/:JID──→ Show Report Of particular Job Description ID

POST: /test-scan──→ AI Model

Use Gemini To Generate Score And Report

"Selected" Button At Each Report ──POST: /report/select/:JID/:CID→ Accept Candidate For Interview ──email──→ Send Email To Ca

"Rejected" Button At Each Report ──POST: /report/reject/:JID/:CID→ Reject Candidate For Interview ──email──→

s ──GET: /jd/selected-candidates/:JID──→ Show Selected Candidates

andidate