

➤ **USER STORY 4 DATA node creation**

```
CREATE (SAP:Company {name:'SAP'})
```

```
CREATE (BMW:Company {name:'BMW'})
```

```
CREATE (berlin:City {name:'Berlin', latitude:52.52, longitude:13.405})
```

```
CREATE (dresden:City {name:'Dresden', latitude:51.05, longitude:13.737})
```

```
CREATE (düsseldorf:City {name:'Düsseldorf', latitude:51.22, longitude:6.77})
```

```
CREATE (frankfurt:City {name:'Frankfurt', latitude:50.11, longitude:8.68})
```

```
CREATE (stuttgart:City {name:'Stuttgart', latitude:48.77, longitude:9.18})
```

```
CREATE (walldorf:City {name:'Walldorf', latitude:49.30, longitude:8.64})
```

```
CREATE (german:Skill {name:'German'})
```

```
CREATE (english:Skill {name:'English'})
```

```
CREATE (french:Skill {name:'French'})
```

```
CREATE (italian:Skill {name:'Italian'})
```

```
CREATE (chinese:Skill {name:'Chinese'})
```

```
CREATE (java:Skill {name:'Java'})
```

```
CREATE (python:Skill {name:'Python'})
```

```
CREATE (ml:Skill {name:'Machine Learning'})
```

```
CREATE (adb:Skill {name:'Advanced Databases'})
```

```
CREATE (Tom:Seeker {name:'Tom Shelby ',language:'english' })
```

```
CREATE (Matthias:Seeker {name:'Matthias Soring ',language:'english'})
```

```
CREATE (Schell:Seeker {name:'Schell Katharina ',language:'german'})
```

```
CREATE (Aaron:Seeker {name:'Aaron Walsh '})
```

```
CREATE (Vasiliki:Seeker {name:'Vasiliki Karadima ',language:'german'})
```

```
CREATE (Felipa:Seeker {name:'Felipa Dasilva ',language:'english'})
```

```
CREATE (Jessica:Seeker {name:'Jessica Dessia ',language:'French'})
```

```
CREATE (John:Seeker {name:'John tobias ',language:'english' })
```

```
CREATE (s1:Schedules {date:'2021-06-18',from:'10:00', to:'11:00'})
```

```
CREATE (s2:Schedules {date:'2021-06-18', from:'2:00', to:'2:30'})
```

```
CREATE (s3:Schedules {date:'2021-06-18', from:'3:00', to:'5:00'})
```

```
CREATE (berlin)-[:DISTANCE]->(dresden)
```

```
CREATE (berlin)-[:DISTANCE]->(düsseldorf)
```

```
CREATE (berlin)-[:DISTANCE]->(frankfurt)
```

```
CREATE (dresden)-[:DISTANCE]->(düsseldorf)
```

```
CREATE (dresden)-[:DISTANCE]->(frankfurt)
```

```
CREATE (dresden)-[:DISTANCE]->(stuttgart)
```

```
CREATE (dresden)-[:DISTANCE]->(walldorf)
```

```
CREATE (düsseldorf)-[:DISTANCE]->(frankfurt)
```

```
CREATE (düsseldorf)-[:DISTANCE]->(stuttgart)
```

```
CREATE (düsseldorf)-[:DISTANCE]->(walldorf)
```

```
CREATE (frankfurt)-[:DISTANCE]->(stuttgart)
```

```
CREATE (stuttgart)-[:DISTANCE]->(walldorf)
```

```
CREATE
```

```
(Tom)-[:EMPLOYED_IN {roles:['JAVA DEVELOPER']}]>(SAP),
```

```
(Matthias)-[:EMPLOYED_IN {roles:['HR']}]>(SAP),
```

```
(Schell)-[:EMPLOYED_IN {roles:['CLOUD ENGINEER']}]>(SAP),
```

```
(Aaron)-[:EMPLOYED_IN {roles:['FULLSTACK DEVELOPER']}]>(SAP),
```

```
(Vasiliki)-[:EMPLOYED_IN {roles:['BUSINESS ANALYST']}]>(BMW),
```

```
(Felipa)-[:EMPLOYED_IN {roles:['DEVOPS ENGINEER']}]>(SAP),
```

```
(Jessica)-[:EMPLOYED_IN {roles:['SECURITY TESTER']}]>(SAP),
```

```
(John)-[:EMPLOYED_IN {roles:['FRONTEND DEVELOPER']}]>(BMW)
```

CREATE

(Tom)-[:LIVES_IN]->(berlin),
(Matthias)-[:LIVES_IN]->(berlin),
(Schell)-[:LIVES_IN]->(düsseldorf),
(Aaron)-[:LIVES_IN]->(walldorf),
(Vasiliki)-[:LIVES_IN]->(düsseldorf),
(Felipa)-[:LIVES_IN]->(dresden),
(Jessica)-[:LIVES_IN]->(frankfurt),
(John)-[:LIVES_IN]->(stuttgart)

CREATE (german)<-[:INTERESTED_IN]-(Tom)-[:OFFERS]->(english),
(french)<-[:INTERESTED_IN]-(Tom)-[:OFFERS]->(java),
(english)<-[:INTERESTED_IN]-(Schell)-[:OFFERS]->(german),
(english)<-[:INTERESTED_IN]-(Jessica)-[:OFFERS]->(french),
(german)<-[:INTERESTED_IN]-(John)-[:OFFERS]->(java),
(french)<-[:INTERESTED_IN]-(John)-[:OFFERS]->(english)

CREATE

(Tom)-[:UNAVAILABLE_AT]->(s1),
(Tom)-[:UNAVAILABLE_AT]->(s2),
(Tom)-[:UNAVAILABLE_AT]->(s3)

➤ **USER STORY 5 DATA node creation**

```
CREATE (p1:Person {name:'Tom Shelby'})
CREATE (p2:Person {name:'John Tobias'})
CREATE (p3:Person {name:'Matthias Soring '})
CREATE (p4:Person {name:'Micheal Felipa'})
```

```
CREATE (j1:Job {name:'job1'})
CREATE (j2:Job {name:'job2'})
CREATE (j3:Job {name:'job3'})
CREATE (j4:Job {name:'job4'})
CREATE (j5:Job {name:'job5'})
```

```
MERGE (p1)-[:APPLIED]->(j1)-[:OFFERED]->(p1)
MERGE (p1)-[:APPLIED]->(j3)-[:OFFERED]->(p1)
MERGE (p1)-[:APPLIED]->(j4)-[:REJECTED]->(p1)
MERGE (p3)-[:APPLIED]->(j1)
```

```
CREATE (r1:Role {name:'Cloud Engineer'})
CREATE (r2:Role {name:'Java Developer'})
CREATE (r3:Role {name:'Fullstack Developer'})
CREATE (r4:Role {name:'Devops Engineer'})
CREATE (r5:Role {name:'Business Analyst'})
```

```
MERGE (j1)-[:HAS]->(r1)
MERGE (j2)-[:HAS]->(r2)
MERGE (j3)-[:HAS]->(r4)
```

```
CREATE (s1:Skillset{name:'AWS',type:'Cloud'})
CREATE (s2:Skillset{name:'Docker',type:'Backend'})
CREATE (s4:Skillset{name:'JAVA',type:'Backend'})
CREATE (s5:Skillset{name:'Mysql',type:'Backend'})
CREATE (s6:Skillset{name:'Spring Boot',type:'Backend'})
CREATE (s7:Skillset{name:'JavaScript'})
CREATE (s8:Skillset{name:'Python',type:'Backend'})
CREATE (s9:Skillset{name:'Linux',type:'tool'})
CREATE (s10:Skillset{name:'Github', type:'tool'})
CREATE (s11:Skillset{name:'Jenkins', type:'tool'})
```

```
MERGE (r1)-[:MUST_INCLUDE]->(s1)
MERGE (r1)-[:MUST_INCLUDE]->(s2)
MERGE (r1)-[:MUST_INCLUDE]->(s8)
```

MERGE (r2)-[:MUST_INCLUDE]->(s4)
MERGE (r2)-[:MUST_INCLUDE]->(s6)

MERGE (r3)-[:MUST_INCLUDE]->(s3)
MERGE (r3)-[:MUST_INCLUDE]->(s4)
MERGE (r3)-[:MUST_INCLUDE]->(s5)

MERGE (r4)-[:MUST_INCLUDE]->(s2)
MERGE (r4)-[:MUST_INCLUDE]->(s10)
MERGE (r4)-[:MUST_INCLUDE]->(s11)
MERGE (r4)-[:MUST_INCLUDE]->(s9)

CREATE (cv1:CV{role:'Cloud Engineer', skills:['AWS','DevOps','PHP','Mysql']})
CREATE (cv2:CV{role:'DevOps Engineer', skills:['AWS','DevOps','Python','Linux']})
CREATE (cv3:CV{role:'Fullstack Developer', skills:['Java','Spring boot','JavaScript','Mysql']})
MERGE (cv1)-[:BELONGS_TO]->(p1)
MERGE (cv2)-[:BELONGS_TO]->(p3)
MERGE (cv3)-[:BELONGS_TO]->(p2)

MERGE (p1)-[:FRIEND_OF]->(p2)
MERGE (p1)-[:FRIEND_OF]->(p3)