

DHIRUBHAI AMBANI INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGY



IT314 – SOFTWARE ENGINEERING

GROUP - 13

JOB MATCHING PLATFORM
- CAREERXPERT -

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Blackbox Testing

Sign Up

Input Fields

- Username
- Email
- Password
- Role

Equivalence Classes:

E1: Username is in the range of 3 to 30 characters (valid).

E2: Username is greater than 30 characters (invalid).

E3: Username is less than 3 characters (invalid).

E4: Username is empty (invalid).

E5: Email is valid forment (valid).

E6: Email is not valid forment (invalid).

E7: Email is empty (invalid).

E8: Password is greater than 8 characters (valid).

E9: Password is less than or equal to 8 characters (invalid).

E10: Password is empty (invalid).

E11: A role (Job Seeker or Recruiter) is selected (valid).

E12: A role is not selected.

Test No	Test Cases {Username, Email, Password, Role}	Expected Output	Actual Output	Remarks	Equivalence Classes Covered
1	usr, test@example.com , abcd@1234, Job Seeker	Success	Success	All constraints are matched.	E1, E5, E8, E11
2	User31chars, test@example.com , abcd@1234, Job Seeker	Error	Error	Username is greater than 30 characters	E2, E5, E8, E11
3	us, test@example.com , abcd@1234, Job Seeker	Error	Error	Username is less than 3 characters.	E3, E5, E8, E11
4	“”, test@example.com , abcd@1234, Job Seeker	Error	Error	Username is empty.	E4, E5, E8, E11
5	user1234, test@example.com , abcd@1234, Job Seeker	Success	Success	Email is in valid format.	E1, E5, E8, E11
6	user1234, test@example.com , abcd@1234, Job Seeker	Error	Error	Email is not in valid format.	E1, E6, E8, E11
7	user1234, “”, abcd@1234, Job Seeker	Error	Error	Email is empty.	E1, E7, E8, E11
8	user1234, test@example.com , abcd@1234, Job Seeker	Success	Success	Password is greater than 8 characters.	E1, E5, E8, E11

9	user1234, test@example.com , abcd1234, Job Seeker	Error	Error	Password is less than or equal to 8 characters.	E1, E5, E9, E11
10	user1234, test@example.com , "", Job Seeker	Error	Error	Password is empty.	E1, E5, E10, E11
11	user1234, test@example.com , abcd@1234, Job Seeker	Success	Success	Role is Selected. (As job seeker)	E1, E5, E8, E11
12	user1234, test@example.com , abcd@1234, ""	Error	Error	Role is not selected	E1, E5, E8, E12
13	user123456, test@example.com , abcd@1234, Job Seeker	Success	Success	Username is Valid (10 chars).	E1, E5, E8, E11
14	User30chars, test@example.com , abcd@1234, Job Seeker	Success	Success	Username is Valid (30 chars).	E1, E5, E8, E11
15	user1234, test@example.com , abcd@1234, Recruiter	Success	Success	Role is selected. (As recruiter)	E1, E5, E8, E11

Post Company

Input Fields

- Name
- Logo URL
- About
- Website URL
- Number of Employees
- Number of Branches
- social media links

Equivalence Class Partitioning :

E1: Name is empty (invalid).

E2: Name is between 1 and 100 characters (valid).

E3: Name is more than 100 characters (invalid).

E4: About is empty (invalid).

E5: About is between 1 and 500 characters (valid).

E6: About is more than 500 characters (invalid).

E7: Website URL is empty (invalid).

E8: Website URL is a valid url (valid).

E9: Website URL is a not valid url (invalid).

E10: Logo URL is empty (valid).

E11: Logo URL is a valid url (valid).

E12: Logo URL is not a invalid (invalid)

E13: Number of employees is empty (valid).

E14: Number of employees is a number (valid).

E15: Number of employees is alphabetic (invalid).

E16: Number of branches is empty (valid).

E17: Number of branches is a number (valid).

E18: Number of branches is alphabetic (invalid).

E19: Social media links are empty (valid).

E20: Social media links are valid url (valid).

E21: Social media links are not valid url (invalid)

Test No	Test Cases {Name, About, Website URL, Logo URL, No. of emps, No. Of branches, Social media links}	Expected Output	Actual Output	Remarks	Equivalence Classes Covered
1	"" , About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Error	Error	Name is empty.	E1, E5, E8, E11, E14, E17, E20
2	A, About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Success	Success	Name is between 1 and 100 chars.	E2, E5, E8, E11, E14, E17, E20
3	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Success	Success	Name is between 1 and 100 chars.	E2, E5, E8, E11, E14, E17, E20
4	CompanyABC100Chars, About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Success	Success	Name is between 1 and 100 chars.	E2, E5, E8, E11, E14, E17, E20
5	CompanyLONG, About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Error	Error	Name is more than 100 characters.	E3, E5, E8, E11, E14, E17, E20
6	CompanyABC, "", https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Error	Error	About is empty.	E2, E4, E8, E11, E14, E17, E20
7	CompanyABC, A, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Success	Success	About is between n 1 and 500 characters.	E2, E5, E8, E11, E14, E17, E20
8	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Success	Success	About is between n 1 and 500 characters.	E2, E5, E8, E11, E14, E17, E20
9	CompanyABC, About text of 500chars, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Success	Success	About is between n 1 and 500 characters	E2, E5, E8, E11, E14, E17, E20
10	CompanyABC, About text LONG, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Error	Error	About is more than 500 characters.	E2, E6, E8, E11, E14, E17, E20
11	CompanyABC, About text, "", https://validlogo.com , 100, 10, https://facebook.com	Error	Error	Website URL is empty.	E2, E5, E7, E11, E14, E17, E20
12	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Success	Success	Website URL is valid URL.	E2, E5, E8, E11, E14, E17, E20

13	CompanyABC, About text, https://validwebsiteerror.com , https://validlogo.com , 100, 10, https://facebook.com	Error	Error	Website URL is not valid.	E2, E5, E9, E11, E14, E17, E20
13	CompanyABC, About text, https://validwebsite.com , "", 100, 10, https://facebook.com	Success	Success	Logo URL is empty.	E2, E5, E8, E10, E14, E17, E20
14	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Success	Success	Logo URL is valid URL.	E2, E5, E8, E11, E14, E17, E20
15	CompanyABC, About text, https://validwebsite.com , https://validlogoerror.com , 100, 10, https://facebook.com	Error	Error	Logo URL is not valid URI.	E2, E5, E8, E12, E14, E17, E20
15	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 10, https://facebook.com	Success	Success	No. of employees is empty.	E2, E5, E8, E11, E13, E17, E20

16	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Success	Success	No. of emps. Is valid number.	E2, E5, E8, E11, E14, E17, E20
17	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , abc, 10, https://facebook.com	Error	Error	No. of emps. Is alphabetic.	E2, E5, E8, E11, E15, E17, E20
18	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, , https://facebook.com	Success	Success	No. of branches is empty, which is valid.	E2, E5, E8, E11, E14, E16, E20
19	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, 10 , https://facebook.com	Success	Success	No. of branches is valid number.	E2, E5, E8, E11, E14, E17, E20
20	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, abc, https://facebook.com	Error	Error	No. of branches is alphabetic.	E2, E5, E8, E11, E14, E18, E20
21	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, 10, ""	Success	Success	Social media links are empty, which is valid.	E2, E5, E8, E11, E14, E17, E19
22	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebook.com	Success	Success	Social media links are valid URL.	E2, E5, E8, E11, E14, E17, E20

23	CompanyABC, About text, https://validwebsite.com , https://validlogo.com , 100, 10, https://facebookerror.com	Error	Error	Social media links are not valid.	E2, E5, E8, E11, E14, E17, E21
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User Profile

Input fields / Variables

- Username
- Email
- Phone
- DOB
- City
- Address
- About
- Skills
- Social links
- Job Preferences
- Resume

Equivalence Classes

E1: Username is between 3 to 30 characters. (Valid)

E2: Username is empty. (Invalid)

E3: Username is < 3 characters. (Invalid)

E4: Username is > 30 characters. (Invalid)

E5: Email is empty. (Invalid)

E6: Email is in valid formant (Valid)

E7: Email is not valid formant (Invalid)

E8: Phone number is 10 digits. (Valid)

E9: Phone number is < 10 digits. (Invalid)

E10: Phone number is > 10 digits. (Invalid)

E11: Phone number is empty. (valid)

E12: DOB is empty. (valid)

E13: DOB is a future date. (Invalid)

E14: DOB is not future date (Valid)

E15: City is empty. (Valid)

E16: City name is numeric. (Invalid)

E17: City name is alphabetic. (Valid)

E18: Address is empty. (Valid)

E19: Address is numeric. (Invalid)

E20: Address is alphanumeric. (Valid)

E21: About is empty. (Valid)

E22: About is between 0 to 500 characters. (Valid)

E23: About is > 500 characters. (Invalid) E24: Skill is empty. (Valid)

E25: Skill is alphabetic. (Valid)

E26: Skill is numeric. (Invalid)

E27: Social links are empty. (Valid)

E28: Social links are valid url (Valid)

E29: Social links are not valid url (Invalid)

E30: Job preferences are empty. (valid)

E31: Job preferences are alphabetic. (Valid)

E32: Job preferences are numeric. (Invalid)

Test No	TestCases { Username, Email, Phone, DOB, City, Address, About, Skills, Social Links, Job Preferences, Resume}	Expected Output	Actual Output	Remarks	Equivalence Classes Covered
1	usr, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	Username is Valid. (3 chars)	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
2	user12345678901, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	Username is Valid. (15 chars)	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
3	User30charlong, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	Username is valid (30 chars)	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31

4	"" , test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	Username is empty.	E2, E6, E8, E14, E17, E20, E22, E25, E28, E31
5	us, test@example.com, 1234567890, 01-01- 2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	Username is less than 3 chars.	E3, E6, E8, E14, E17, E20, E22, E25, E28, E31
6	User30+charlong, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	Username is greater than 30 chars	E4, E6, E8, E14, E17, E20, E22, E25, E28, E31
7	user1234, "" , 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	Email is empty.	E1, E5, E8, E14, E17, E20, E22, E25, E28, E31
8	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	Email is in valid format.	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
9	user1234, testexample, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	Email is not in valid format.	E1, E7, E8, E14, E17, E20, E22, E25, E28, E31
10	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	Phone number is 10 digit.	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
11	user1234, test@example.com, 123456789, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	Phone number is less than 10 digits.	E1, E6, E9, E14, E17, E20, E22, E25, E28, E31
12	user1234, test@example.com, 12345678901, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	Phone number is greater than 10 digits.	E1, E6, E10, E14, E17, E20, E22, E25, E28, E31
13	user1234, test@example.com, "" , 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	Phone number is empty	E1, E6, E11, E14, E17, E20, E22, E25, E28, E31
14	user1234, test@example.com, 1234567890, "" , New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	DOB is empty.	E1, E6, E8, E12, E17, E20, E22, E25, E28, E31
15	user1234, test@example.com, 1234567890, 01-01-2030, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	DOB is future date.	E1, E6, E8, E13, E17, E20, E22, E26, E29, E31
16	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	DOB is not future date.	E1, E6, E8, E14, E17, E20, E22, E26, E29, E31

17	user1234, test@example.com, 1234567890, 01-01-2000, "", 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	City is empty.	E1, E6, E8, E14, E15, E20, E22, E25, E28, E31
18	user1234, test@example.com, 1234567890, 01-01-2000, 9898, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	City name is numeric.	E1, E6, E8, E14, E16, E20, E22, E25, E28, E31
19	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	City name is alphabetic.	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
20	user1234, test@example.com, 1234567890, 01-01-2000, New York, "", This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	Address is empty.	E1, E6, E8, E14, E17, E18, E22, E25, E28, E31
21	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123456, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	Adress is numeric.	E1, E6, E8, E14, E17, E19, E22, E25, E28, E31
22	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	Address is alphanumeric.	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
23	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, "", Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	About is empty.	E1, E6, E8, E14, E17, E20, E21, E25, E28, E31
24	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, A, Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	About is valid (1 char)	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
25	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid 250 char about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	About .is valid. (250 chars).	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
26	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid 500 char about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	About is valid. (500 chars).	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
27	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid 501 char about text., Coding, https://linkedin.com, Full-time, Uploaded	Error	Error	About is greater than 500 chars.	E1, E6, E8, E14, E17, E20, E23, E25, E28, E31
28	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., "", https://linkedin.com, Full-time, Uploaded	Success	Success	Skill is empty.	E1, E6, E8, E14, E17, E20, E22, E24, E28, E31

29	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Python , https://linkedin.com, Full-time, Uploaded	Success	Success	Skill is alphabetic.	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
30	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., 222, https://linkedin.com, Full-time, Uploaded	Error	Error	Skill is numeric.	E1, E6, E8, E14, E17, E20, E22, E26, E28, E31
31	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, "", Full-time, Uploaded	Success	Success	Social links are empty.	E1, E6, E8, E14, E17, E20, E22, E25, E27, E31
32	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	Social links are valid URL.	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
33	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin123.com, Full- time, Uploaded	Error	Error	Social links are not valid URL.	E1, E6, E8, E14, E17, E20, E22, E25, E29, E31
34	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, "", Uploaded	Success	Success	Job preference is empty.	E1, E6, E8, E14, E17, E20, E22, E25, E28, E30
35	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, Full-time, Uploaded	Success	Success	Job preference is alphabetic.	E1, E6, E8, E14, E17, E20, E22, E25, E28, E31
36	user1234, test@example.com, 1234567890, 01-01-2000, New York, 123 Main St, This is valid about text., Coding, https://linkedin.com, 123, Uploaded	Error	Error	Job preference is numeric.	E1, E6, E8, E14, E17, E20, E22, E25, E28, E32

7	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Error	Error	Email is invalid.	E7,E2,E8,E14,E16,E24, E21,E29,E19,E30,E35
8	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Success	Success	Phone number is valid (10 digits).	E2,E6,E8,E14,E16,E24, E21,E29,E19,E30,E35
9	recruiter123, valid@example.com, abcdefghij, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Error	Error	Phone number is invalid (alphabet).	E9,E2,E6,E14,E16,E24, E21,E29,E19,E30,E35
10	recruiter123, valid@example.com, 98765432, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Error	Error	Phone number is less than 10 digits.	E10,E2,E6,E14,E16,E24, E21,E29,E19,E30,E35
11	recruiter123, valid@example.com, 98765432101, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Error	Error	Phone number is greater than 10 digits.	E11,E2,E6,E14,E16,E24, E21,E29,E19,E30,E35

12	recruiter123, valid@example.com,	Error	Error	Date of birth is empty.	E12,E2,E6,E8,E16,E24,E21, E29,E19,E30,E35
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	9876543210, (" "), Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link				
13	recruiter123, valid@example.com, 9876543210, 2025-01- 01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Error	Error	Date of birth is in the future.	E13,E2,E6,E8,E16,E24, E21,E29,E19,E30,E35
14	recruiter123, valid@example.com, 9876543210, 1990-01- 01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Success	Success	Date of birth is valid (in the past).	E2,E6,E8,E14,E16,E24, E21,E29,E19,E30,E35
15	recruiter123, valid@example.com, 9876543210, 1990-01- 01, (" "), 123 Street Name east bandra mumbai, Software Developer, http://social.link	Success	Success	City is empty (valid).	E15,E2,E6,E8,E14,E24, E21,E29,E19,E30,E35
16	recruiter123, valid@example.com, 9876543210, 1990-01- 01, East-Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Success	Success	City is alphabetic.	E2,E6,E8,E14,E16,E24, E21,E29,E19,E24,E30, E35
17	recruiter123, valid@example.com, 9876543210, 1990-01- 01, 12345, 123 Street Name east bandra	Error	Error	City is numeric.	E17,E2,E6,E8,E14,E21, E29,E19,E24,E30,E35

	mumbai, Software Developer, http://social.link				
18	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, (" "), Software Developer, http://social.link	Success	Success	Address is empty (valid).	E18,E2,E6,E8,E14,E16, E24,E29,E30,E35
19	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, Street123 east bandra mumbai, Software Developer, http://social.link	Success	Success	Address is alphanumeric.	E2,E6,E8,E14,E16,E24, E21,E29,E19,E30,E35
20	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123456, Software Developer, http://social.link	Error	Error	Address is numeric.	E20,E2,E6,E8,E14,E16 ,E24,E29,E30,E35
21	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123456, Software Developer, http://social.link	Success	Success	Address is between 20–300 characters.	E2,E6,E8,E14,E16,E21, E29,E19,E24,E30,E35
22	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, address is less than 20 (19 long), Software Developer, http://social.link	Error	Error	Address is less than 20 characters.	E22,E2,E6,E8,E14,E16, E21,E29,E30,E35
23	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, A very long address that exceeds the maximum	Error	Error	Address exceeds 300 characters.	E2,E6,E8,E14,E16,E21, E29,E30,E35

	character limit set for the address field...				
24	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Success	Success	City name is between 5–100 characters.	E2,E6,E8,E14,E16,E21,E29,E19,E24,E30,E35
25	recruiter123, valid@example.com, 9876543210, 1990-01-01, M, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Error	Error	City name is less than 5 characters.	E2,E6,E8,E14,E16,E21,E29,E19,E30,E35
26	recruiter123, valid@example.com, 9876543210, 1990-01-01, This is a very long city name that exceeds the 100 character limit for city names, 123 Street Name east bandra mumbai...	Error	Error	City name exceeds 100 characters.	E26,E2,E6,E8,E14,E16,E21,E29,E19,E30,E35
27	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, (Empty About), http://social.link	Success	Success	About is empty (valid).	E27,E2,E6,E8,E14,E16,E21,E19,E35
28	recruiter123, valid@example.com, 9876543210, 1990-01-01, This is a very long city name that exceeds the 100 character limit for city	Error	Error	About is numeric.	E28,E2,E6,E8,E14,E16,E21,E19,E35

	names, 123 Street Name east bandra mumbai...				
29	recruiter123, valid@example.com, 9876543210, 1990-01- 01, Mumbai, 123 Street Name east bandra mumbai, Software Developer123, http://social.link	Success	Success	About is alphanumeric.	E2,E6,E8,E14,E16,E21, E29,E19,E30,E35
30	recruiter123, valid@example.com, 9876543210, 1990-01- 01, Mumbai, 123 Street Name east bandra mumbai, This is a detailed description...	Success	Success	About is between 10– 500 characters.	E2,E6,E8,E14,E16,E21, E29,E19,E30,E35
31	recruiter123, valid@example.com, 9876543210, 1990-01- 01, Mumbai, 123 Street Name east bandra mumbai, test, http://social.link	Error	Error	About is less than 10 characters.	E31,E2,E6,E8,E14,E16, E21,E19,E35
32	recruiter123, valid@example.com, 9876543210, 1990-01- 01, Mumbai, 123 Street Name east bandra mumbai, This is a very detailed description that exceeds the maximum limit for About...	Error	Error	About exceeds 500 characters.	E32,E2,E6,E8,E14,E16, E21,E19,E35
33	recruiter123, valid@example.com, 9876543210, 1990-01- 01, Mumbai, 123 Street Name east bandra mumbai,	Success	Success	Social link is empty.	E33,E2,E6,E8,E14,E16, E21,E29,E19,E30

	Software Developer, (“ ”)				
34	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, 12345	Error	Error	Social link is numeric.	E34,E2,E6,E8,E14,E16, E21,E29,E19,E30
35	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Success	Success	Social link is valid (string).	E35,E2,E6,E8,E14,E16, E21,E29,E19,E30
36	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Success	Success	City is alphabetic.	E2,E6,E8,E14,E16,E24, E21,E29,E19,E30,E35
37	recruiter123, valid@example.com, 9876543210, 1990-01-01, city name is 300 character long, 123 Street Name east bandra mumbai, Software Developer, http://social.link	Success	Success	City is alphabetic.	E2,E6,E8,E14,E16,E24, E21,E29,E19,E30,E35
38	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, address is 300 character long, Software Developer, http://social.link	Success	Success	Address is 300 characters.	E2,E6,E8,E14,E16,E21, E29,E19,E24,E30,E35

39	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software D, http://social.link	Success	Success	About is alphanumeric.	E2,E6,E8,E14,E16, E21,E29,E19,E30,E35
40	recruiter123, valid@example.com, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, About is 500 character long, http://social.link	Success	Success	About is alphanumeric.	E2,E6,E8,E14,E16, E21,E29,E19,E30,E35

Login Test :

Input fields:

Email

Password

role

Equivalence classes:

E1: email is empty (invalid)

E2: email should be registered. (valid)

E3: email is not its valid form. (invalid).

E4: email is not registered.(invalid)

E5: password is empty.(invalid)

E6: password is greater than 8 characters. (valid)

E7: password is less than or equal to 8 characters. (invalid)

E8: incorrect

password. (invalid)

E9: role is empty. (invalid)

E10: selected role matched with email and password. (valid)

E11: selected role does not match with email and password. (invalid)

Test case no	Test case {email,password,role}	Expected output	Actual output	Remark	Covered classes
1	Marmikvasava051404@gamil.com,marmik051,jobseeker	success	success	All details correct	E2,E10,E6
2	Marmikvasava051404@gamil.com,marmik05,jobseeker	error	error	Password is equal to 8	E2,E10,E7
3	Marmikvasava051404@gamil.com,marmik,jobseeker	error	error	Password is less than 8	E2,E10,E7
4	“ ”, “ ”, “ ”	error	error	Details are empty	E1,E5,E9
5	Marmikvasava04@gamil.com,marmik051404,jobseeker	error	error	Email is not registered	E4,E10,E6
6	Marmikvasava051404@gamil.com,marmik0404,jobseeker	error	error	Password Is not correct	E2,E8,E10
7	Marmikvasava051404@gamil.com,marmik051404,recruiters	error	error	Role is not match with email and password	E2,E6,E11
8	Marmikvasava051404\$gamil.com,marmik051404,jobseeker	error	error	Email in invalid form	E3,E6,E10

Profile of recruiter

Inputs fields :

Username.

Email

Phone number

Date of Birth

City

Address

About

Social links

Equivalence classes:

E1 : username is empty (invalid)

E2 : username is between 3 to 30 characters (valid)

E3 : username is less than 3 characters (invalid)

E4 : username is greater than 30 characters (invalid)

E5 : Email is empty (invalid)

E6 : Email is in valid format (valid)

E7 : Email is in invalid format (invalid)

E8 : phone number is 10 number (valid)

E9 : phone number is character (invalid)

E10 : phone number is less than 10 (invalid)

E11 : phone number is greater than 10 (invalid)

E12 : phone number is empty (valid)

E13 : Date of birth is empty (invalid)

E14 : Date of birth is in future date (invalid)

E15 : Date of birth is in past date (valid)

E16 : City is empty (valid)

E17 : City is alphabet (valid)

E18 : City is number (invalid)

E19 : Address is empty (valid)

E20 : Address is alphanumeric (valid)

E21 : Address is number (invalid)

E22 : About is empty (valid)

E23 : About is number (invalid)

E29 : Social links is not valid url (invalid)

Test Case No.	Test Cases	Actual Output	Expected Output	Remarks	Covered Equivalence Classes
1	Marmik_vasava, marmik051404@gmail.com,, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, Software Developer, http://social.link	success	success	All details correct	E2,E6,E8,E15,E17,E20,E24, E25,E28
2	Mit, marmik051404@gmail.com ,, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, S, http://social.link	Success	Success	All details correct	E2,E6,E8,E15,E17,E20,E24, E25,E28
3	Name is 30 character long, marmik051404@gmail.com ,, 9876543210, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, about is 500 character long, http://social.link	Success	Success	All details correct	E2,E6,E8,E15,E17,E20,E24, E25,E28
4	r, valid@example.com, 987652452, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, “ ”, http://social.link	error	error	Username is less than 3, phone number Is less than 10,about is empty	E3,E6,E10,E15,E17,E20,E22 ,E28
5	Username is greater than 30 character, valid@example.com, 98765245212, 1990-01-01, Mumbai, 123 Street Name east bandra mumbai, about is greater than 500 character long , http://social.link	Error	Error	Username is greater than 30, phone number Is greater than 10,about is greater 500 character long	E4,E6,E11,E15,E17,E20,E26 ,E28
6	“ ”, “ ”, “ ”, “ ”, “ ”, “ ”, “ ”, “ ”	Error	Error	Username is empty,email is empty,DOB Is empty	E1,E5,E12,E13,E16,E19,E22 ,E27

7	Mit, marmik051404@gmail.com,, “”, 1990-01-01, “”, “”, “”, “”	success	success	All details is correct	E2,E6,E12,E15,E16,E19,E22,E27
8	Marmik_vasava, marmik051404*gmail.com,, bhhbhb, 2028-01-01, 556, 123, 454, http://social.link.//.src	error	error	Email is not valid,phone number is character,DOB is in future date,city is number,address is number,about is number,social link is invaid	E2,E7,E9,E14,E18,E21,E23,E29

Post Job

Inputs fields:

Job title
Location
Experience
Salary
Timing
Work Type
Domain
User Type
Description
Requirement
Perks
Deadline

Equivalence Classes:

E1 : Job title is empty.(invalid)
E2 : Job title is 1 to 50 characters long.(valid)
E3 : Job title is less than 1. (invalid)
E4 : Job title is greater than 50.(invalid)
E5 : Job title is number (invalid)
E6 : Job title is alphanumeric (valid)
E7 : Location is empty (valid)
E8 : Experience is empty (invalid)
E9 : Experience is alphanumeric (invalid)
E10 : Experience is number (valid)
E11 : Salary is empty (invalid)
E12 : Salary is alphabetic (invalid)
E13 : Salary is numeric (valid)
E14 : Job timing is empty (invalid)
E15 : Work type is empty(invalid)
E16 : Domain is empty (invalid)
E17 : User type is empty (invalid)
E18 : Job description is empty (invalid)
E19 : Job description is 1 to 1000 character long (valid)
E20 : Job description is less than 1 character (invalid)
E21 : Job description is greater than 1000 character (invalid)

E22 : Requirements is empty (valid)
 E23 : Requirements is 1 to 10000 character long (valid)
 E24 : Requirements is less than 1 characters (invalid)
 E25 : requirements are greater than 10000 characters (invalid).
 E26 : Job perks is empty (valid)
 E27 : Deadline is empty (invalid)
 E28 : Selected date is past of the today date (invalid)
 E29 : Job perks is 1 to 1000 (valid)
 E30 : Job perks is less than 20 (invalid)
 E31 : Job perks is greater than 1000 (invalid)
 E32 : Selected date is future date (valid)

Test No	Test cases {JobTitle,Location,Experience,Salary,Timing,work type,domain,user type,Description,Requirement,Perks,Deadline}	Expected Output	Actual output	Remark	Covered Equivalence Classes
1	Software Developer, Mumbai, 3, 30000, 9-5, Full-Time, IT, Employer, Software development role, Python SQL, Flexible hours, 2024-12-31	success	success	All details are right	E2,E6,E10,E13,E19,E23,E29,E32
2	S, Mumbai, 3, 30000, 9-5, Full-Time, IT, Employer,job description 1 character long , P, F, 2024-12-31	success	success	All details are right	E2,E,6,E10,E13,E19,E23,E29,E32
3	Job title is 50 character long, Mumbai, 3, 30000, 9-5, Full-Time, IT, Employer , job description 1000 character long , Requirements are 10000 character long,job perks 1000 character long, 2024-12-31	success	success	All details are right	E2,E6,E10,E13,E19,E23,E29,E32
4	Software Developer, " ", 3, 30000, 9-5, Full-Time, IT, Employer, Software development role, " ", " ", 2024-12-31	success	success	All details are right	E2,E,6,E8,E13,E19,E22,E26,E32
5	" " , " " , " " , " " , " " , " " , " " , " " , " " , " " , Flexible hours, " "	error	error	Job title,experience,salary,job timing,work type,domain,deadline is empty	E1,E7,E8,E11,E14,E15,E16,E17,E18,E22,E27

6	Devo, Mumbai, 3, 30000, 9-5, Full-Time, IT, Employer, Software dev, Sql nod, Fle, 2024-12-31	error	error	Job perks, requirements, description, title less than to their limits	E3,E6,E10, E13,E20,E24,E30
7	Job title is greater than 50 character long, Mumbai, 3, 30000, 9-5, Full-Time, IT, Employer , job description is greater than 500 character long , Requirements are greater than 500 character long, job perk is greater than 500 character long, 2024-12-31	error	error	Job perks, requirements, description, title greater than to their limits	E4,E6,E10, E13,E21,E25,E31
8	1523, Mumbai, ASLA4, mArmik, 9-5, Full-Time, IT, Employer, Software development role, Python SQL, Flexible hours, 2020-12-31	error	error	Title is number, experience alphanumeric, salary is alphabetic, past date	E5,E9,E12, E19,E23,29

Reset password

Inputs fields :

Email

Equivalence classes:

E1 : Email address is Empty (invalid)

E2 : Email address is not valid format (invalid)

E3 : Email address is not registered. (invalid)

E4 : Email address is register (valid)

Test no	Test case {Email}	Expected output	Actual output	Remark	Covered Equivalence classes
1	" "	error	error	Email is empty	E1
2	marmik12\$ga mil.com	error	error	Email is invalid	E2
3	marmikvasav a04@gmail.c om	error	error	Email is not registered	E3
4	marmikvasav a051404@g mail.com	successful	successful	Email is registered	E4