Assignment No: 3

Problem Statement:

Write Test Cases in Excel Sheet for a Social Media Application or Website -Linkedin

Objective:

• To design and document test cases for a professional networking platform.

• To validate the core functionalities of LinkedIn such as login, profile management, job applications, and messaging.

• To ensure smooth and secure user experience through functional and usability testing.

Hardware Requirements:

Intel Core i3 or higher Processor, 4 GB RAM, 250 GB Hard Disk

Software Requirements:

Windows 10 / Linux / macOS Operating System, Google Chrome / Mozilla Firefox / Microsoft Edge Browser, Test Management Tool (e.g., Excel, Jira)

Theory:

A test case defines a set of inputs, actions, and expected outcomes to validate whether a software feature works correctly. For a social media website like LinkedIn, test cases help verify user flows such as login, registration, connection requests, and content sharing.

Testing LinkedIn includes verification of various modules such as:

• User Authentication: Validating login, registration, password reset, and multi-factor authentication.

• Profile Management: Creating, editing, and updating user profiles including education, experience, and skills.

• Connections and Networking: Sending, accepting, or withdrawing connection requests and following profiles.

• Job Portal Functionality: Searching and applying for jobs, saving job posts, and viewing recruiter updates.

• Content Interaction: Posting updates, liking, sharing, and commenting on others' content.

• Messaging: Sending and receiving private messages and checking read receipts.

• Notifications: Real-time alerts for messages, comments, and connection activities.

• Privacy & Security: Ensuring data safety, session handling, and blocking/reporting options.

Purpose of Writing Test Cases:

• To ensure that all functionalities of LinkedIn perform as expected under different conditions.

• To verify the integration of modules such as login, job posting, and messaging.

• To identify bugs early and improve the reliability of the platform.

• To maintain a consistent and secure user experience across devices and browsers.

Categories of Test Cases:

• Functional Test Cases: Validate login, posting, and profile-related actions.

• Negative Test Cases: Test the system with invalid or missing inputs.

• Usability Test Cases: Ensure that the interface is user-friendly and accessible.

• Security Test Cases: Verify protection of user data and prevention of unauthorized access.

• Compatibility Test Cases: Confirm smooth operation across browsers and devices.

Importance of Test Cases:

• Helps in systematic validation of every LinkedIn feature.

• Ensures reliability, usability, and performance of the platform.

• Reduces risks by detecting and fixing issues before deployment.

• Acts as a reference for future maintenance and regression testing.

• Enhances collaboration between testers and developers by maintaining clear documentation.

LinkedIn Overview:

LinkedIn is a professional networking platform where users connect with other professionals, build their careers, and explore job opportunities. It allows users to create

detailed professional profiles, share insights, post updates, and engage with organizations and industry leaders.

- Launched: May 2003
- Founders: Reid Hoffman and team
- Owned by: Microsoft Corporation since 2016

Main Features:

- Profile Creation: Users can add education, experience, and skills.
- Networking: Connect with professionals and recruiters across industries.
- Job Search: Apply for and save job opportunities directly through the platform.
- Messaging: Communicate with connections via instant messaging.
- Posts & Articles: Share updates, blogs, and achievements with the network.
- Notifications: Real-time updates about profile views, messages, and activities.
- Company Pages: Follow organizations and view job openings.
- Learning: Access LinkedIn Learning courses for skill development.

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Pune, Maharashtra, India
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Add section
Enhance profile
Open to work
Web Developer, Web Designer and Software Engine...
Show details
Suggested for you
Private to you
Add portfolio projects that showcase your skills
Show recruiters how you put your skills to use by adding projects to your profile.

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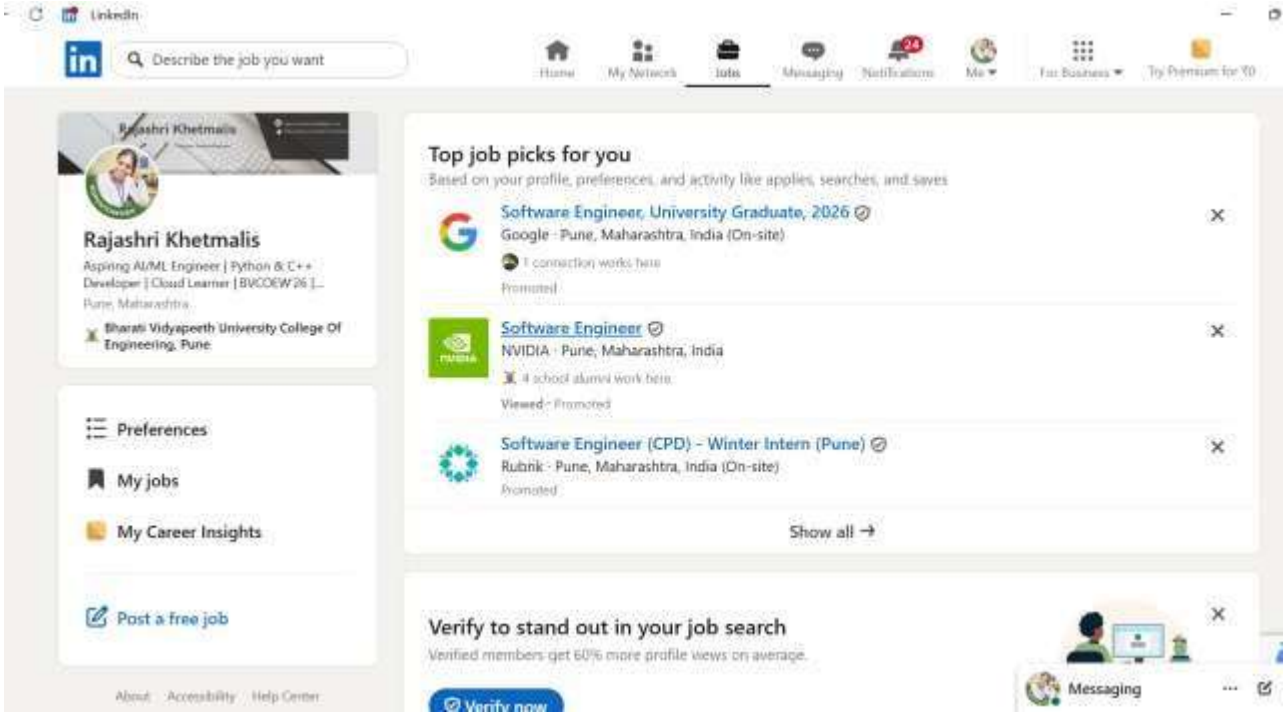
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Promoted
Software Engineer
NVIDIA · Pune, Maharashtra, India
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Messaging

Conclusion:

This assignment provided insights into preparing structured test cases for a social media platform like LinkedIn. It highlights the importance of verifying critical functionalities such as login, networking, and job search. Writing effective test cases helps improve user satisfaction, application reliability, and platform security, ensuring a seamless professional networking experience.