

Test Plan for Capital.com Website

1) Introduction

The project aims to deliver a high-quality website that meets the specified requirements and provides a positive user experience for individuals engaging in financial activities, such as trading and investing. The testing process is designed to identify and rectify any issues, ensuring the website operates smoothly, securely, and in accordance with industry standards and user expectations. The goal is to release a robust and trustworthy platform for users to manage their financial activities effectively.

2) Test Objectives

2.1. User Registration and Authentication:

- Users can successfully register for an account.
- Authentication process securely validates user credentials.

2.2. Profile Management:

- The functionality of updating user profiles, including personal information and contact details.
- Password changes are processed accurately.

2.3. Deposit and Withdrawal:

- The process of depositing funds into user accounts.
- Users can initiate withdrawals and that the process is secure and error-free.

2.4. Order Placement and Execution:

- The functionality of placing different types of orders (market, limit, stop, etc.).
- Orders are executed accurately and in a timely manner.

2.5. Portfolio Management:

- Users can view and manage their investment portfolios.
- The accuracy of displayed financial data, including balances and positions.

2.6. Search and Navigation:

- The website's search functionality to ensure users can find relevant information.
- That navigation throughout the platform is intuitive and user-friendly.

3) Learning of input documents

3.1. Learn Prototypes, Design, and Software Requirements Specification (SRS):

- **Functional Specifications:** detailed documentation outlining the functional requirements of the Capital.com website. Purpose - to comprehend the intended behavior of the system, features, and functionalities.

- **Design Documents:** technical blueprints illustrating the architecture, layout, and flow of the website. Purpose -to gain insights into the underlying structure, ensuring test scenarios align with the system design.

- **User Stories:** narratives that encapsulate end-user interactions and expectations from the website. Purpose: to understand user perspectives, aiding in the creation of test cases that reflect real-world usage.

- **Regulatory and Compliance Documents:** documentation outlining legal and regulatory requirements applicable to financial websites. Purpose - to ensure that the website adheres to industry standards and legal obligations, especially in the financial domain.

- **Risk Management Documents:** documentation identifying potential risks and mitigation strategies. Purpose - to be aware of potential challenges and vulnerabilities, allowing testers to focus on critical areas during testing.

3.2. Analyse the Documentation, meet with the team, and discuss product functionalities.

3.3. Refinement: at this stage, we discuss backlog items, communicate about Acceptance Criteria, and improve some points.

4) Test Environment:

We make a test estimation before each Sprint to understand the approximate time spent on testing.

5) Test Design

We create Test Cases and Checklists using different test designs and test analysis techniques.

5.1. Test Case example:

○ Test Case 1

@smoke

① DESCRIPTION

< > CODE TEMPLATE

📎 ATTACHMENTS

▶ RUNS

🕒 HISTORY

Requirements

Users can successfully register with valid information.

Steps

1. Navigate to the Capital.com registration page.
2. Fill in valid information in all required fields.
3. Click on the "Register" button.

Expected Result

User is successfully registered and redirected to the login page.

○ Test Case 2

@smoke

① DESCRIPTION

< > CODE TEMPLATE

📎 ATTACHMENTS

▶ RUNS

🕒 HISTORY

Requirements

Users cannot register with an email address that is already associated with an existing account.

Steps

1. Navigate to the Capital.com registration page.
2. Fill in the registration form with an email address that is already registered.
3. Click on the "Register" button.

Expected Result

An appropriate error message is displayed, indicating that the email address is already in use.

5.2. Checklist example:

▼ 📋 Trading Features 5 tests

- Check the placement and execution of buy orders. manual
- Check the placement and execution of sell orders. manual
- Check real-time updates on market prices and stock information. manual
- Check order modification and cancellation functionalities. manual

6) Tools

6.1. Jira:

- Issue tracking and project management.
- Test case management and execution tracking.

6.2. Testomat.io:

- Test case management and organization.
- Test planning and reporting.
- Integrate with other tools for seamless workflow.

6.3. Postman:

- API testing and development.
- Automating API requests and responses.

6.4. LoadRunner:

- Performance testing and analysis.
- Identifying system bottlenecks and performance issues.

6.5. Confluence:

- Collaborative documentation and knowledge sharing.
- Centralized repository for project documentation.

6.6. SQLite:

- Interaction between the Capital.com website and the backend database.
- Data integrity and consistency.
- Data retrieval and storage operations.

6.7. Android Studio:

- The functionality and compatibility of the Capital.com mobile app on Android devices.
- Performance testing and debugging for the mobile app.
- Integrate Android Studio with test automation framework like Appium

6.8. Appium:

- Automated testing of mobile applications (iOS and Android).
- Cross-platform mobile app testing.

6.9. Xcode:

- An integrated development environment (IDE) designed for developing applications for macOS, iOS, watchOS, and tvOS.

6.10. Charles Proxy:

- Web debugging proxy application.
- Monitor, intercept, and analyze HTTP/HTTPS traffic between the client and the server.

6.11. Chrome DevTools:

- Browser debugging, profiling, and performance analysis.
- Web development and optimization.

6.12. Miro:

- create, design test documentation (decomposition scheme, diagram of states and transitions, etc.)

6.13. Certificates and Licenses:

- Ensure that the testing team has the legal right and access to use specific tools, frameworks, or software during the testing process. Including information about certificates and licenses in your Test Plan is important for transparency, compliance, and proper resource management.

7) Resources

QA1: User registration and authentication.

QA2: Profile management (profile settings, password change, etc.).

QA3: Deposit and withdrawal.

QA4: Order Placement and Execution.

QA5: Portfolio Management.

QA6: Search and Navigation

8) Onboarding Plan

Phase 1: Orientation and Introduction

1. Welcome session: Introduction to the team, project, and company culture.
2. Overview of the Capital.com project. High-level understanding of the project's purpose and features.
3. Introduction to team roles: Understanding the responsibilities of each team member.

Phase 2: Tool Familiarization

1. Training on testing tools.
2. Practical exercises: Hands-on activities to ensure proficiency in using testing tools.
3. Q&A sessions: Opportunity for new members to ask questions and clarify doubts.

Phase 3: Domain Knowledge Acquisition

1. Review of project documentation: Thorough understanding of functional specifications, design documents, and user stories.
2. Domain-specific training: Sessions to familiarize testers with financial concepts relevant to Capital.com.
3. Shadowing: New team members observe experienced testers in action.

Phase 4: Test Case Design and Execution

1. Test case design workshop: Guidance on creating effective and comprehensive test cases.
2. Hands-on test case creation: New members create test cases for specific features.
3. Test execution simulation: Practice executing test cases in a controlled environment.

Phase 5: Collaboration and Communication

1. Team-building activities: Foster collaboration and strengthen team dynamics.
2. Communication protocols: Training on effective communication within the team and with other stakeholders.
3. Regular meetings: Introduce new members to the project's meeting schedule and communication channels.

Phase 6: Advanced Topics and Specialized Training

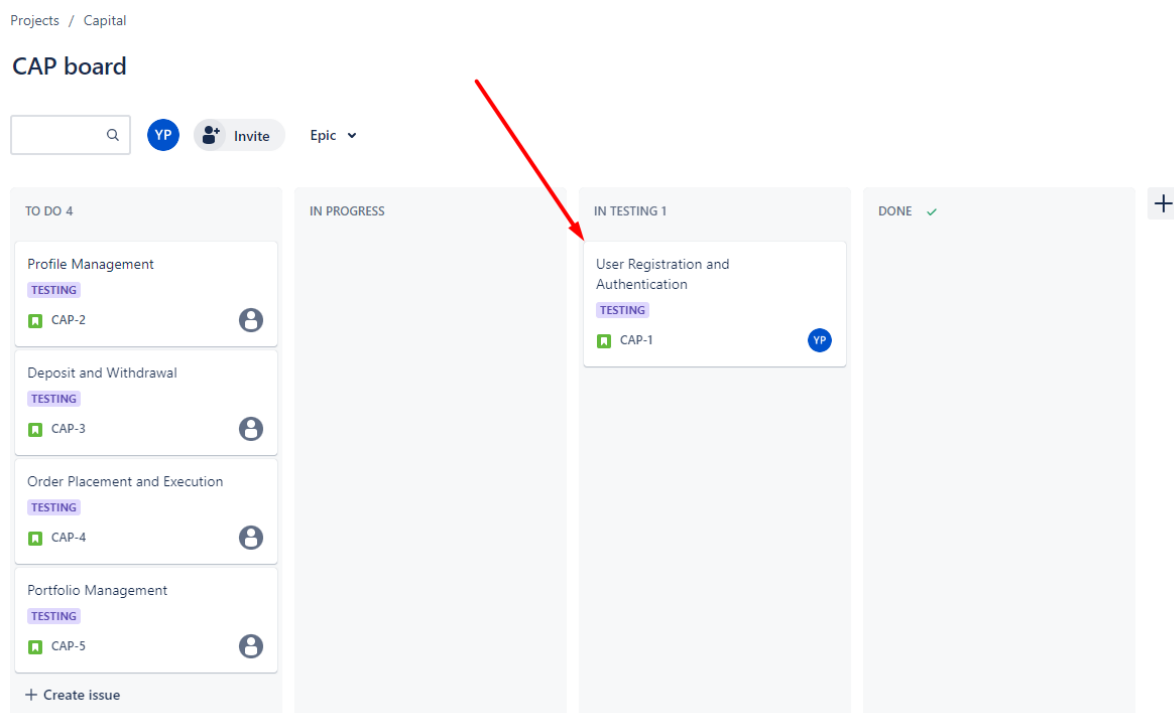
1. Advanced tool usage: Training on advanced features of testing tools.
2. Specialized testing types: Introduction to performance testing, security testing, etc.
3. Certification opportunities: Explore certifications relevant to the testing field.

Phase 7: Feedback and Continuous Improvement

1. Regular feedback sessions: Feedback on individual performance and areas for improvement.
2. Continuous learning: Encourage participation in webinars, workshops, and industry conferences.
3. Iterative onboarding: Modify the plan based on feedback and evolving project needs.

9) Test Execution

9.1. We start execution when the User Story is moved to the “In Testing” column.



9.2. We link Test Cases or Checklists with User Stories:

Capital
Software project
You're on the Free plan
[UPGRADE](#)

PLANNING

- Timeline
- Board
- + Add view

DEVELOPMENT

- Project pages
- Tests Coverage
- Sprints Coverage
- Add shortcut
- Project settings

Projects / Capital / CAP-6 / CAP-1

User Registration and Authentication

Attach Add a child issue Link issue

Description

As a new user visiting the [The future of trading](#) website, I want a seamless and secure registration and authentication process so that I can create and manage my account effectively.

Child issues

- CAP-7 User Registration: As a new user I want to register for a Capital.com account. So that I can access the platform and its features IN PROGRESS
- CAP-8 Email Verification: As a registered user I want to receive an email verification link after registration. So that I can confirm my ide... IN PROGRESS
- CAP-9 Password Strength: As a user creating an account I want the system to enforce password strength requirements. So that my ac... IN PROGRESS
- CAP-10 Terms and Conditions Agreement: As a new user during registration I want to be prompted to agree to the terms and condi... IN PROGRESS
- CAP-11 Existing Email Check: As a user registering with an email I want the system to check if the email is already in use. So that I am i... IN PROGRESS
- CAP-12 Social Media Registration: As a user I want the option to register using my social media account. So that I can quickly register ... IN PROGRESS

Linked issues

- CAP-13 Create a Registration Form IN PROGRESS
- CAP-14 Validate the Registration Form IN PROGRESS

IN TESTING Actions

Details

- Assignee Yevhenia Petrenko
- Labels None
- Parent NEW CAP-6 Sprint 1
- Reporter Yevhenia Petrenko

Automation

- Rule executions
- Created 30 minutes ago
- Updated 5 minutes ago

Testmat.io

Tests Runs Suites Plans

Capital.com Website Project

Id	Title	Type	Status	Priority	Actions
07e2fcce	Check that a confirmation email is sent promptly after	manual	normal	normal	
efd6f800	Check that all mandatory fields are clearly marked.	manual	normal	normal	
6c3bf44a	Check that the confirmation email contains clear instr	manual	normal	normal	
0a58f59c	Check that the form provides real-time validation fee	manual	normal	normal	
fa5b2920	Check that the password strength requirements are cc	manual	normal	normal	
4029130d	Check that the registration form includes clear and co	manual	normal	normal	
85238329	Check that the registration form is easily accessible fr	manual	normal	normal	

9.3. We create a Test Run in Testmat.io:

Run #40ca063d manual Report

Manual tests at 08 Dec 2023 16:00

71.4%

14.3%

14.3%

Passed

Failed

Skipped

Status FAILED

Duration 2m 0s

Tests 7

Test Plan User Registration

Finished Dec 8, 2023 4:02 PM

Executed by Yevheniia

Created by Yevheniia

Switch to Suites

Passed 5 Failed 1 Skipped 1 1 Search

sort by: suite / testcase / failure

User Registration @man... Check that the registration form is easily accessible from the main page. manual

User Registration @man... Check that the registration form includes clear and concise instructions for users. manual

User Registration @man... Check that all mandatory fields are clearly marked. manual

User Registration @man... Check that the form provides real-time validation feedback for user inputs. manual

User Registration @man... Check that the password strength requirements are communicated clearly. manual

User Registration @man... Check that a confirmation email is sent promptly after successful registration. manual Email c

User Registration @man... Check that the confirmation email contains clear instructions for account activation. manual

9.4. Full Report example:

Testomatío

Tests
[SHIFT + 1]

Runs
[SHIFT + 2]

Plans
[SHIFT + 3]

Steps
[SHIFT + 4]

Pulse
[SHIFT + 5]

Imports

Analytics
[SHIFT + 6]

Branches
[SHIFT + 7]

Settings

Help

« Run #40ca063d • Manual tests at 08 Dec 2023 16:00

Copy Link

...

Passed 5Failed 1Skipped 1

1

Search

Y

Tree View

User Registration @manual @smoke

511

✓ Check that the registration form is easily accessible from the main page. Y

✓ Check that the registration form includes clear and concise instructions for users. Y

✓ Check that all mandatory fields are clearly marked. Y

✓ Check that the form provides real-time validation feedback for user inputs. Y

✓ Check that the password strength requirements are communicated clearly. Y

✗ Check that a confirmation email is sent promptly after successful registration. Y E

✗ Check that the confirmation email contains clear instructions for account activation. M

Summary

Status

FAILED

Duration

2m 0s

Tests

7

Test Plan

User Registration

Finished

Dec 8, 2023 4:02 PM

Executed by

Y Yevheniia

Created by

Y Yevheniia

Overview

sort by: name / failed ↓

User Registration @manual @smoke

511

10) Bug Reporting

We create Bug Reports according to the example:

Projects / Capital / CAP-6 / CAP-15

Unable to Confirm Email After Registration

AttachAdd a child issueLink issue

Description

Environment:

Browsers:

Google Chrome Version 119.0.6045.160

Firefox Version 119

Device: Windows 10

STR:

1. avigate to the The future of trading registration page.

2. Fill in valid information in all required fields.

3. Click on the "Register" button.

4. Check the registered email inbox for the confirmation email.

5. Observe that no confirmation email is received.

Actual result: No confirmation email is received by the user after completing the registration process.

Expected result: After successful registration, users should receive a confirmation email containing a link to verify their email address.

Activity

Show: AllCommentsHistory

Newest first

YPAdd a comment...

Pro tip: press M to comment

Details

Assignee

Unassigned

Assign to me

Labels

None

Parent

NEWCAP-6 Sprint 1

Reporter

YPYevheniia Petrenko

Automation

Rule executions

Created 6 seconds ago

Updated 6 seconds ago

Configure

Bug triage:

We review the bug found and assign a priority. According to the priority, we assign the bug to a developer for fixing or defer to the next release.

11) Stages of Testing

11.1. Testing of all User Stories and tasks during Sprint

11.2. Smoke Testing

11.3. Regression Testing

12) Test Environments

12.1. QA Environment

12.2. Staging Environment

12.3. Preproduction Environment

12.4. Production Environment

13) Platforms and environments

13.1. OS systems:

- Windows
- MacOS

13.2. Mobile:

- iOS
- Android

13.3. Devices:

Device #1:

- Model: iPhone 14 Pro
- Resolution: 6,1"
- OS: Apple iOS 16

Device #2:

- Model: Samsung Galaxy S21 FE 6
- Resolution: 6.4"
- OS: Android

Device #3:

- Model: Apple iPad Air 10.9
- Resolution: 10.9"
- OS: iPadOS 15

13.4. Browsers:

- Chrome >V=110
- Safari >V=15
- Opera >V=100

14) Test Strategy

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	System Object and actions	Priority	Strategy	Test Analysis		Test Execution		Date of the last testing	Non-functional testing				
2				Readiness	Link	Readiness	Link		Usability	Performance	Load	Rule	Environment
3	User Registration and Authentication	1	The one of main objects on the capital.com website is to get a base of new users. The primary purpose is to provide users with a sophisticated yet user-friendly trading platform where they can execute trades, monitor market trends, and manage their investment portfolios. Created the Check lists system with clear Summary "What are we checking?", Description in the form of a script that describes what we do to check. The positive and negative scenarios.	100%		60%		12/08/2023	100%	0%	0%	100%	100%
4	New user with registration form	1	Field requirements are agreed with the team. Covered by Checklists. Use the Test Design techniques: Equivalence Partitioning, Boundary Values, Domain Analysis	100%		50%		12/08/2023					
5	New user without registration (unauthorized user)	1	Field requirements are agreed with the team. Need back-end part. Covered by Checklists. Use the Test Design techniques: Equivalence Partitioning, Boundary Values, Domain Analysis	100%		10%		12/08/2023					
6	Login	1	The website allows users to create accounts, manage personal information, and handle financial transactions related to their trading activities. Created the Check lists system with clear Summary "What are we checking?", Description in the form of a script that describes what we do to check. The positive and negative scenarios.	100%		0%			100%	0%	0%	100%	100%
7	with email	1	Decision table to the login	100%		0%							
8	Forgot password	1	Can check using databases, api	0%		0%							
	Login	1	The website allows users to create accounts, manage personal information, and handle financial transactions related to their trading activities. Created the Check lists system with clear Summary "What are we checking?", Description in the form of a script that describes what we do to check. The positive and negative scenarios.	100%		0%			100%	0%	0%	100%	100%
	with email	1	Decision table to the login	100%		0%							
	Forgot password	1	Can check using databases, api	0%		0%							
	User profile settings	2	A strategy for covering the Check lists system with clear Summary "What are we checking?", Description in the form of a script that describes what we do to check. Use Test Design techniques: Equivalence Partitioning, Boundary Values, Decision table. Can check using databases, api. If there is time for it.	0%		0%			0%	0%	0%	100%	100%
	Change name	3	Can check using databases, api. Use the exploratory testing	0%		0%							
	Change password	2	Can check using databases, api. Use the exploratory testing	0%		0%							
	Delete account	3	Can check using databases, api. Use the exploratory testing	0%		0%							
	Log out	2	Can check using databases, api. Use the exploratory testing										
	Total			67%		20%							

15) Test Reporting

1. Links on Test Runs
2. List of Bugs
3. Link on the Confluence page with the Test Report