



Detailed Test Plan - TED.com Website

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Document History

Revision History

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Reviewer

Name	Position/ Department	Version	Review Date
layal	QA Tester	1.0	Jan 03, 2026
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Approvals

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1 Introduction

1.1 Background

TED is a non-profit educational platform that provides lectures, videos, and TED Talks across a wide range of topics including technology, entertainment, design, science, business, and global issues.

The website aims to inspire, educate, and share innovative ideas with a global audience.

The platform offers multiple features such as:

- Video playback with subtitles in various languages
- Search functionality to find talks by topic, speaker, or keyword
- Navigation through categories and curated playlists
- User interaction features like sharing, bookmarking, and commenting

This test plan focuses on validating the core functionalities, usability, and responsiveness of the TED website to ensure that users can access content seamlessly, interact with the platform effectively, and experience a consistent and bug-free interface.

1.2 Testing Objectives

The objectives of testing are as follows:

Functional Testing:

- a. Verify that all main functions website work correctly
- b. Ensure all internal and external links navigate to correct destination
- c. Check that search engine return accurate results
- d. Verify that video content can be played, paused, and stopped without errors

User Interface & Navigation:

- e. Ensure the navigation bar works correctly across all pages.
- f. Confirm that the user interface is clean, and responsive on desktop, tablet, and mobile devices.
- g. Check that all buttons, icons, and interactive elements function as intended.

Content Verification:

- h. Confirm that all statements, headings, and labels are correctly placed and readable.

Exploratory Testing:

- i. Identify and document any bugs or undesired behavior during testing.

Smoke Testing:

- j. Perform smoke testing to verify that main functions of the TED website are working before detailed testing.

1.3 Roles and Responsibilities

Role	Name	Email/ Telephone	Responsibilities
QA Tester	Layal	Layalfrh2016@gmail.com	Create detailed test plan Designing and executing test cases. Reporting and documenting defects. Preparing the final Test Summary Report
QA Lead	sara	Saramoh23@gmail.com	Reviewing and approving the Test Plan Providing guidance and oversight. Assisting in defect prioritization

1.4 Definition and Acronyms

This section provides information regarding the Acronyms and terminology specifically used in this document.

Table 2: Definitions and Acronyms

Acronym	Definition
TC	Test Case
Bug	Bug / Defect Report
FA	Functional Area
HRD	Header
SRC	Search
TS	Test Scenario
UI	User Interface

2 Testable Items

2.1 In Scope

This test activity focuses on the following:

- Homepage – verify main sections load correctly
- Responsive UI _ ensure proper display on desktop, tablet, and mobile devices.
- Search engine _ validate search functionality and results.
- Navbar – ensure menu items and dropdowns function correctly.
- verify video playback, pause, stop, and subtitle options
- Hyper links and buttons _ ensure all clickable elements navigate to the correct destinations.

2.1.1 Functional Scope

To list all functional area and description that will be in scope of testing.

Table 3: Functional

Functional Area	Functional Sub Area	Description
Header	Navbar	The main navigation bar (Watch, Discover, Attend, Participate, About, Sign in) is present and visible at the top of the page
Header	Navbar links	All links navigate to desired destination
Header	Dropdown Menus	Menu items with dropdowns (like Discover) expand on hover/click and their links work.
Header	Buttons action	Membership button is functional and opens Membership page
Header	Sign In Button	The "Sign In" button in the header is functional and opens the login page
Header	Search Functionality	The search icon opens the search bar entering a keyword and pressing Enter initiates a search.
Search	No Results Found	The system displays a message when no results are found.
Search	Search result	The system displays relevant TED Talks based on the search keyword
Homepage Body	Video Card display	Video cards on the home page display title, speaker, duration, topic and publication information
Homepage Body	Video Card Navigation	Clicking on any video card navigates the user to the correct video player page.
Homepage Body	Section Navigation	Clicking on "Browse all" or "See all" links for sections (e.g., Popular, Newest) navigates to the correct category page
Homepage Body	trending tedx ideas	All cards within the "Trending TEDx ideas" section navigate to the correct video page.
Video Player	Playback Controls	The video player has functional controls: play, pause, and stop
Video Player	Transcription	The video transcription is enabled and is synchronized with the video

Footer	Footer Links Navigation	All links within the footer navigate to their correct respective pages.
Footer	Footer Links Navigation	All footer icons navigate to the correct external sites ex .(instagram ,twitter ..)
Footer	Newsletter Subscription	The user can enter an email and subscribe to the newsletter.

2.1.2 Non Functional Scope

To list all non functional area and description that will be in scope of testing.

Table 4: Non Functional

Non Functional Requirement	Description
Performance	The home page must load within 4 seconds under normal network conditions
Compatibility	The website must support many different browsers (chrome ,edge ,safari ,firefox ..)
Responsiveness	The website must be adaptable and useable on different screen sizes (mobile, tablet, desktop)
Accessibility	All interactive elements must be accessible via keyboard
Usability	The interface must be intuitive and easy to use for first time users

2.2 Out of Scope

Table 5: Out of Scope Content

Item	Description
1	External video content
2	Mobile applications
3	Advanced security testing (penetration testing, vulnerability scanning)
4	Payment gateway integration
5	Maintainabilityinternal code structure

2.3 Testing Exclusions

The following items will not be tested in this test plan due to limitations in testing environment and access:

- Email notifications and newsletters, as they require user account registration and email verification.
- Membership confirmation emails, as they require email access and account verification
- Email-based features due to lack of test accounts
- Third-party services managed outside TED's control

2.4 Risk and Assumptions

Assumptions:

- a. The website will remain stable and accesable throughout the scheduled testing period and without any changes
- b. The required test environments (specified operating systems, browsers, and devices) will be available for testing.

Risks :

- a. Changes on TED.com during testing could affect results.
- b. The TED.com website might undergo a major, unannounced update during the testing period, which could invalidate some test cases and require rework
- c. Limited access to a wide range of real mobile devices may result in some device specific bugs not being discovered.

3 Detailed Test Approach

This section outlines the strategy and key activities that will be used to test <https://www.ted.com/> website using manual testing approach, focusing on validating core functionalities, usability, exploratory testing and non-functional requirements defined in this test plan, considering the website is a live, publicly available platform.

Test levels and types :

- a. To freely navigate the website without predefined test cases in order to identify defects that may not be covered by formal testing.
- b. Smoke testing : to perform a quick check on critical functionalities before detailed testing start
- c. Functional Testing : Ensure all functionality in scope work correctly and meet requirements
- d. UI and Usability testing : To ensure that the user interface is clear, consistent, and easy to use
- e. Responsive Testing : To verify that the website adapts correctly to different screen sizes (desktop, tablet, and mobile)
- f. Compatibility Testing: To confirm proper functionality across major browsers (Chrome, Edge, Firefox, Safari).
- g. Accessibility Testing : To verify that all essential features are accessible using keyboard navigation

3.1 Naming Conventions for Function Groups and Functions

To ensure clarity and consistency, all test artifacts will follow a standardized naming convention.

Test Case ID Convention :

Test Case ID will use the prefix TC for this format TC_FA_xxx

Example: TC_HDR_001 - Verify clicking the "Watch" link navigates to the correct page

Test Scenario ID Convention :

Test scenario ID will use the prefix TS for this format TS_FA_xxx

Example: TS_HDR_001 - Verify Header Navigation

Bug ID Convention :

Bug ID will use the prefix BUG for this format BUG-FA-XXX

Example: BUG_HDR_001 - "Watch" link is broken and navigates to a 404 page

FA :A short code representing the functional area being tested

<###> :A unique 3-digit sequential number

Functional Area	Code	Test Case ID	Test Scenario ID	Bug ID
Header	HDR	TC_HDR_001	TS_HDR_001	BUG_HDR_001
search	SRC	TC_SRC_001	TS_SRC_001	BUG_SRC_001

3.2 Test Case Design

This section describes the techniques that will be used to design effective test cases for the TED.com website.

Test cases will be design based on functional and non functional requirements and features in the scope , The goal is to maximize defect detection and ensure comprehensive test coverage.

The folowing test design techniques will be used :

a. Use Case and User Journey Testing: Designing end-to-end test scenarios that simulate real user behavior and workflows.

Example: A test will simulate a user's journey from landing on the homepage, searching for a topic, selecting and playing a video, and interacting with the player controls.

b. Equivalence Partitioning :Dividing input data (e.g., in search fields) into partitions of equivalent data from which test cases can be derived.

Example: The search functionality will be tested with partitions for valid keywords (e.g., "business"), non-existent keywords (e.g., "asdfghj"), and empty inputs.

c. Exploratory Testing: Freely navigating the website without predefined scripts to identify unexpected defects and usability issues based on the tester's intuition.

Example: A session will be dedicated to testing unconventional user paths, such as rapidly clicking multiple links or using browser navigation (back/forward) extensively.

Test Coverage Goal

Our goal is to achieve 100% coverage of the functional requirements defined in the scope (Table 3). Each functional requirement will be mapped to at least one test scenario to ensure that all specified features are tested.

3.3 Test Scheduling

Table 6:

Phase	sescription	duration
Requirements analysis	Understand requirements ,define scope (In-Scope & Out-of-Scope) , Identify potential risks and areas of focus	5 hours
Test plan	Prepare and write the detailed Test Plan document ,Define test strategy, deliverables, and schedule ...	2 days
Test design	Design and write high-level Test Scenarios Write detailed, step-by-step Test Cases for all features in scope.	3-4 days
Test Execution	Perform Smoke Test to ensure site stability. Execute all functional and UI test cases systematically Perform non-functional tests (Compatibility, Responsiveness, Accessibility). Conduct Exploratory Testing sessions. Log all defects found (Defect Management is ongoing	3-4 days

Test Closure	Analyze final test results and defect metrics. Prepare and deliver the final Test Summary Report.	1 day
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3.4 Data Build

Test data will be prepared based on functional requirements defined in the scope. Data will include:

- a. Keywords for search testing (valid and invalid)
- b. URLs for hyperlink verification
- c. Interactive elements for buttons
- d. Screen sizes for responsive testing
- e. User credentials (valid and invalid) for login testing

The data will be manually extracted from the TED.com home page and organized in a test data sheet for each test scenario.

3.5 Results/Sign-Off

3.5.1 Suspension/Resumption Criteria

Testing will halt for a particular project item (or function) when:

- a. a Blocker defect is found. For example, if the TED.com homepage does not load at all, or if the video player fails to load for all videos.
- b. The test regions or test environment are not available (for any reason).
- c. If the test environment (e.g., internet connection, testing device) becomes unstable or unavailable.
- d. Testing will resume once the blocking issue has been resolved (e.g., the website is back online) and a smoke test confirms that the core functionality is stable again.

Entry and Exit criteria

This section defines the criteria for starting, completing, and pausing the test execution phase.

Entry Criteria :

The test execution phase will begin once the following criteria are met:

- a. This Test plan completed and approved
- b. Requirements are pre defined
- c. All test cases and test scenarios are designed and documented
- d. The test environment (specified browsers on desktop/mobile) is set up and ready.
- e. The TED.com website is online and accessible

Exit Criteria :

The test execution phase will be considered complete when the following criteria are met:

- a. All planed test cases executed at least once
- b. All discovered defects have been documented and reported.
- c. There are ZERO open "Critical" or "Blocker" severity defects.
- d. All "High" severity defects have a documented workaround if they are not fixed.
- e. The final Test Summary Report has been prepared and delivered.

4 Test Environments

This section specifies the target environments for testing the TED.com website. The goal is to ensure a consistent and functional experience across the most common platforms used by the target audience.

1. Operating Systems

- a. Windows 10 / 11
- b. macOS (latest version)
- c. iOS (latest version, for mobile testing)
- d. Android (latest version, for mobile testing)

2. Browsers

The TED.com website must be compatible and fully functional on the following browsers:

- a. Google Chrome
- b. Mozilla Firefox
- c. Microsoft Edge
- d. Safari (latest version)

3. Devices / Screen Sizes (for responsive testing)

- a. Desktop (1920x1080)
- b. Tablet (iPad or similar, 768x1024)
- c. Mobile (iPhone, Android devices, 375x667)

5 Test Deliverables

- a. Test Plan
- b. Test Cases
- c. Bug Reports
- d. Tracability Matrix
- e. Summary Report