

Term Project

NarrativeFlicks



By

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GE5100: Product Development for Engineers, Spring 2024

Northeastern University

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V&V TEST MATRIX
(NarrativeFlicks)

Test ID	Marketing Spec (Product Spec)	Test Description	Test Standard	Verification/ Validation
T1	Input Options (IO1)	Test the accuracy of voice recognition and interpretation for generating video content.	ISO/IEC 25022:2016 - Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Measurement of quality in use	Validation
T2	Input Options (IO2)	Test the app's ability to accept various input formats (text, audio, images) and process them accurately.	ISO/IEC 25010	Verification
T3	Theme Variety (TV1)	Evaluate the diversity and appeal of pre-designed themes and templates available for different storytelling genres.	ISO/IEC 25010	Validation
T4	Theme Variety (TV2)	Test the functionality of customizable theme elements such as fonts, colors, and graphics.	ISO/IEC 25010	Verification
T5	Customization Options (CO1)	Test the effectiveness of advanced editing tools for modifying video elements like transitions, overlays, and effects.	ISO/IEC 25010	Verification
T6	Customization Options (CO2)	Validate the accuracy of the recommendation engine in suggesting themes and styles based on user preferences.	ISO/IEC 25010	Validation
T7	Social Media Integration (SMI1)	Verify the smooth functioning of direct sharing options to popular social media platforms like Facebook, Instagram, Twitter.	ISO/IEC 25010	Verification
T8	Social Media Integration (SMI2)	Validate the accuracy of real-time updates on social media engagement metrics (likes, shares, comments) after sharing.	ISO/IEC 25010	Validation
T9	Collaborative Storytelling (CS1)	Test the effectiveness of multi-user collaboration features in facilitating simultaneous contributions to the same story.	ISO 9001:2015 - Quality management systems - Requirements	Verification
T10	Collaborative Storytelling (CS2)	Validate the usability of the commenting and feedback system for collaborative projects.	ISO 9001:2015 - Quality management systems - Requirements	Validation
T11	Real-time Preview (RP1)	Verify the responsiveness and accuracy of the instant preview option in reflecting changes made in narration or editing.	ISO/IEC 25010:2011 - Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - System and software quality models	Verification
T12	Real-time Preview (RP2)	Test the compatibility of real-time preview across various devices and screen sizes.	ISO/IEC 25010:2011 - Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - System and software quality models	Verification
T13	Audio Library (AL1)	Test the breadth and quality of the available royalty-free audio tracks and sound effects for enhancing storytelling.	ISO/IEC 23009-1:2019 - Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 1: Media presentation description and segment formats	Verification
T14	Audio Library (AL2)	Validate the functionality of importing custom audio files from external sources.	ISO/IEC 23009-1:2019 - Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 1: Media presentation description and segment	Validation

			formats	
T15	Augmented Reality Filters (ARF2)	Test the basic AR filter functionality provided by the app.	ISO/IEC 25010	Verification
T16	User Feedback Mechanism (UFM2)	Test the functionality of the basic feedback mechanism provided by the app.	ISO/IEC 25010	Verification
T17	Offline Usage (OU1)	Validate the functionality of offline mode, allowing users to access saved projects and perform basic editing tasks.	ISO/IEC 25010:2011 - Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - System and software quality models	Validation
T18	Offline Usage (OU2)	Test the automatic syncing of changes made offline once the internet connection is restored.	ISO/IEC 25010:2011 - Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - System and software quality models	Verification
T19	Advanced Editing Tools (AET1)	Verify the accuracy and usefulness of AI-powered video editing features for streamlining the editing process.	ISO/IEC 23009-1:2019 - Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 1: Media presentation description and segment formats	Verification
T20	Advanced Editing Tools (AET2)	Test the functionality and ease of use of 3D effects and animations provided for enhancing storytelling.	ISO/IEC 23009-1:2019 - Information technology - Dynamic adaptive streaming over HTTP (DASH) - Part 1: Media presentation description and segment formats	Verification
T21	Multi-Language Support (MLS1)	Validate the availability of the app interface in multiple languages for global accessibility.	ISO 639 - Codes for the representation of names of languages	Validation
T22	Multi-Language Support (MLS2)	Test the accuracy and quality of translations provided for narrations and subtitles in different languages.	ISO 639 - Codes for the representation of names of languages	Validation
T23	Cloud Storage Integration (CSI1)	Verify the smooth functionality and data synchronization between the app and popular cloud storage services.	ISO/IEC 27001:2013 - Information technology - Security techniques - Information security management systems - Requirements	Verification
T24	Cloud Storage Integration (CSI2)	Validate the reliability and efficiency of automatic cloud backup features in safeguarding user data and preferences.	ISO/IEC 27001:2013 - Information technology - Security techniques - Information security management systems - Requirements	Validation
T25	Analytics and Insights (AI1)	Test the comprehensiveness and usefulness of the in-depth analytics dashboard providing insights on user engagement.	ISO/IEC 25044:2013 - Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Planning and management	Verification
T26	Analytics and Insights (AI2)	Validate the seamless integration with third-party analytics tools for advanced data analysis and reporting.	ISO/IEC 25044:2013 - Systems and software engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Planning and management	Validation
T27	Subscription Model (SM1)	Verify the attractiveness and affordability of subscription plans offered, considering the value provided to users.	ISO/IEC 20000-1:2018 - Information technology - Service management - Part 1: Service management system requirements	Verification
T28	Subscription Model (SM2)	Test the effectiveness of the free trial period or limited-feature version in encouraging user engagement.	ISO/IEC 20000-1:2018 - Information technology - Service management - Part 1: Service management system requirements	Validation
T29	Data Privacy and Security (DPS1)	Validate the implementation of data encryption, user consent mechanisms, and data access controls to protect user information.	ISO/IEC 27701:2019 - Security techniques — Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management — Requirements and guidelines	Validation

T30	Data Privacy and Security (DPS2)	Test the effectiveness of regular security audits and updates to address potential vulnerabilities.	ISO/IEC 27701:2019 - Security techniques — Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management — Requirements and guidelines	Verification
T31	Customer Support Channels (CSC1)	Verify the availability and responsiveness of 24/7 customer support through various channels.	ISO 10002:2018 - Quality management — Customer satisfaction — Guidelines for complaints handling in organizations	Verification
T32	Customer Support Channels (CSC2)	Validate the usability of the knowledge base or FAQ section within the app for self-service support.	ISO 10002:2018 - Quality management — Customer satisfaction — Guidelines for complaints handling in organizations	Validation
T33	Gamification Elements (GE1)	Test the functionality of achievement badges and rewards for completing tasks and milestones within the app.	ISO/IEC 25010	Verification
T34	Gamification Elements (GE2)	Validate the effectiveness of interactive challenges or storytelling competitions in fostering user engagement.	ISO/IEC 25010	Validation
T35	Cross-Platform Compatibility (CPC1)	Verify the seamless syncing of projects and preferences across multiple devices.	ISO/IEC 25051:2014 - Software Engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Requirements for quality of Commercial Off-The-Shelf (COTS) software product and instructions for testing	Verification
T36	Cross-Platform Compatibility (CPC2)	Test the consistency of the user interface and feature parity across different platforms.	ISO/IEC 25051:2014 - Software Engineering - Systems and software Quality Requirements and Evaluation (SQuaRE) - Requirements for quality of Commercial Off-The-Shelf (COTS) software product and instructions for testing	Verification
T37	Content Updates (CU1)	Validate the regular addition of new themes, editing tools, and features to keep the app content fresh and engaging.	ISO/IEC 25010	Validation
T38	Content Updates (CU2)	Test the promptness of bug fixes and performance improvements based on user feedback and reported issues.	ISO/IEC 25010	Verification
T39	Accessibility Features (AF1)	Verify the availability and effectiveness of accessibility features such as screen reader support and high-contrast UI options.	ISO/IEC 40500:2012 - Information technology - W3C Web Content Accessibility Guidelines (WCAG) 2.0	Verification
T40	Accessibility Features (AF2)	Validate the usability of the app through user testing with individuals from diverse backgrounds and abilities.	ISO/IEC 40500:2012 - Information technology - W3C Web Content Accessibility Guidelines (WCAG) 2.0	Validation
T41	Multi-Platform Support (MPS1)	Verify the availability and functionality of the app on mobile, tablet, and desktop devices.	ISO/IEC 25010	Verification
T42	Proximity Collaboration (PC1)	Validate the effectiveness of enabling collaboration between users based on geographical proximity.	ISO/IEC 25010	Validation
T43	Offline Collaboration (OC1)	Verify the functionality of enabling collaboration on projects even when users are offline.	ISO/IEC 25010	Verification
T44	Video Export Options (VEO2)	Test the app's offering of one export option (e.g., resolution) and its functionality.	ISO/IEC 25010	Verification