

Test report

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Individual project

ID	UC	Precondition	Test data	Expected result	Result
TC-01	G-01: User logs into the system	User is at the login screen	Username: TestUser Password: 123456Aa	User is successfully logged in	Passed.
TC-02	G-01: User logs into the system	User is at the login screen	Username: NonExistingUser Password: 123456Aa	"Credentials did not match" message is displayed	Passed.
TC-03	G-02: User views space object data	User is logged in, on desktop app	Selects: Hubble Space Telescope	Hubble space telescope information is displayed	Passed.
TC-04	G-03: User views space object data	User is logged in, on website	Clicks: Satellites tab Selects: ISS	ISS information is displayed	Passed.

TC-05	G-04: User views object details	User is logged in, on website	Clicks: Satellites tab Selects: ISS Clicks: Details	ISS detailed information is displayed	Passed.
TC-06	G-04: User views object details	User is logged in, on website	Clicks: Satellites tab No object available	Details page is inaccessible	Passed.
TC-07	G-05: User searches for an object	User is logged in, on desktop app	Inputs: hub	List of matches containing "hub" is displayed	Passed.
TC-08	G-06: User changes object view	User is logged in, on desktop app	Selects: Hubble Space Telescope Clicks: Blueprint View	Hubble Space Telescope blueprint view is displayed	Passed.
TC-09	G-06: User changes object view	User is logged in, on desktop app	No object selected Clicks: Blueprint View	"Not Available" picture is displayed	Passed.

TC-10	G-07: User edits profile	User is logged in, on website	Clicks: Profile Changes details: Name: TestNew Clicks: Save	Changes are saved, Name is TestNew	Passed.
TC-11	G-07: User edits profile	User is logged in, on website	Clicks: Profile Changes details: Email to abc12 Clicks: Save	"Invalid Email" message is displayed	Passed.
TC-12	G-08: User views map of objects	User is logged in, on website	Clicks: Map tab	Map with objects is displayed	Passed.
TC-13	G-09: User recovers password	User is on the login screen	Clicks: Forgot Password Inputs: Admin@gmail.com	Recovery email is sent	Passed.

TC-14	G-09: User recovers password	User is on the login screen	Clicks: Forgot Password Inputs: invalidEmail	"Email address is invalid" message is displayed	Passed.
TC-15	G-09: User recovers password	User is on the login screen	Clicks: Forgot Password Inputs: abc123@gmail.com	"No account registered with this email" is displayed	Passed.

TC-16	AD-01: User adds a new employee	Logged in as administrator	Input: FirstName: TestName LastName: TestName, Password: Pass1234 BirthDate: 01/01/2001 Email: test@mail.com Click: Add	New employee is added	Passed.
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TC-17	AD-01: User adds a new employee	Logged in as administrator	Input: Input: FirstName:1 LastName: 1, Password: password BirthDate: 01/01/2024 Email: test@mail.com Click: Add	Errors given: “Invalid First Name”, “Invalid Last Name”, “Password is too weak”, “Invalid Birth Date”, “Email already exists”	Passed.
TC-18	AD-02: User removes an employee	Logged in as administrator	Select: TestName Click: Remove	Employee is removed	Passed.
TC-19	AD-03: User views user statistics	Logged in as administrator	Views “Users” section	"Users" statistics are displayed	Passed.

TC-20	AD-04: User edits user data	Logged in as administrator	Click: Edit users Select: TestName Edit: TestName Click: Save	User data is updated	Passed.
TC-21	AD-04: User edits user data	Logged in as administrator	Click: Edit users Select: TestName Edit: FirstName: 1 Click: Save	"Invalid Data" message is displayed	Passed.
TC-22	EM-01: User adds a new space object	Logged in as Employee	Click: Add Satellite Input: Model: "XP34" Objective: "Telecommunication" Launch: empty default Manufacturer: "NASA" Name: "ISSD" Size: 110 Mass: 419455 Position: (0,0,0) Velocity: (0,0,0) Orientation: (1,0,0) OrbitType: GEOSTATIONARY Click: Add	Confirmation of success is displayed. Orbital data calculated is: Inclination: 0.94585470763565316 LongitudeOfAscNode: 1.5707963267948966 SemiMajorAxis: 12748.533533968666 TrueAnomaly: 1.460963750542158	Passed.

TC-23	EM-01: User adds a new space object	Logged in as Employee	Click: Add Satellite Input: All or some fields empty Click: Add	"Invalid data" error message is displayed	Passed.
TC-24	EM-02: User removes a space object	Logged in as Employee	Click: Edit Objects Select: "ISSD" Click: Remove	Confirmation message is displayed	Passed.
TC-25	EM-02: User removes a space object	Logged in as Employee	Click: Edit Objects No Object selected Click: Remove	"No object selected" error message is displayed	Passed.
TC-26	EM-03: User edits a space object	Logged in as Employee	Click: Edit Objects Select: "ISSD" Edit: Size: 122 Click: Save Changes	Confirmation message is displayed	Passed.

TC-27	EM-03: User edits a space object	Logged in as Employee	Click: Edit Objects Select: "ISSD" Edit: Size: null Click: Save Changes	"Invalid Data" error message is displayed	Passed.
TC-28	GU-01: User creates a guest account	None	Navigate: Register page Input: FirstName: TestName LastName: TestName, Password: Pass1234 BirthDate: 01/01/2001 Email: test@mail.com ProfilePictureURL: https:// imgs.search.brave.com/ tyZB0q35Aco0oc4LtOe GskL3iuEJUPVGCnoTm T4Kk5w/rs:fit:1200:1200: 1 /g:ce/aHR0cHM6Ly9yZ W1l /emNsYS5jb20vd3At/Y2 9 udGVudC91cGxv/YWRz Lzl wMjA vMDgv/R2V0dHIJbWFnZ XMt/NTYwMTczOTcuan Bn Click: Create Account	Account is created	Passed.

TC-29	GU-01: User creates a guest account	Logged in as Guest	Navigate: Register page Input: FirstName: TestName LastName: 0000, Password: weak BirthDate: 01/01/2024 Email: test@mail.com ProfilePictureURL: Click: Create Account	Errors given: "Invalid First Name", "Invalid Last Name", "Password is too weak", "Invalid Birth Date", "Email already exists", "Profile Picture URL is required"	Passed.
TC-30	GU-02: User deletes guest account	Logged in as Guest	Navigate: Profile page Click: Delete account Confirm: Yes	Account is deleted, user is logged out	Passed.
TC-31	GU-02: User deletes guest account	Logged in as Guest	Navigate: Profile page Click: Delete account Confirm: No	No changes occur	Passed.

TC-32	EM-04: User calculates the minimum path from a communication satellite from another	Logged in as Employee	Navigate: Communications forms Input: ISDD; PIX-6	Travel list: ISDD; COM-1; Zamolxis; PIX-6	Not Passed: Actual result: “Could not find a path. Are all positions up to date?”
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TC-33	NFR-01: Remote Access	None	Actions: 1. View the page in the website: https://i501909.luna.fhict.nl 2. Run the desktop app on the computer 3. Log in to your personal account or create an account	Expected results: 1. Completed 2. Completed 3. Completed	Actual results: 1. Completed 2. Completed 3. Completed
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TC-34	NFR-02: Performance	Any user logged in	<p>Actions:</p> <ol style="list-style-type: none"> 1. Reload content page with no significant delay. 2. Navigate the application with no delay or lag 	<p>Expected Results:</p> <ol style="list-style-type: none"> 1. Completed 2. Completed 	<p>Actual Results:</p> <ol style="list-style-type: none"> 1. Failed, host related delay 2. Failed, host related delay
TC-35	NFR-03	None	<p>Review:</p> <ol style="list-style-type: none"> 1. Code applies the Open-Closed principle in class structure. 2. There are methods present for small actions, that can be used in complex functionalities 3. Class structure respects the SOLID principles of OOD. 	<p>Expected Results:</p> <ol style="list-style-type: none"> 1. Checked 2. Checked 3. Checked 	<p>Actual Results:</p> <ol style="list-style-type: none"> 1. Checked 2. Checked 3. Checked

TC-36	NFR-04	Not logged in	<p>Actions:</p> <ol style="list-style-type: none"> 1. In the link of the webpage, add “/Satellites”. Log in page is displayed instead. 2. Registering an account uses secure salting and hashing for the password 3. Logging in with wrong credentials is not accepted. 	<p>Expected results:</p> <ol style="list-style-type: none"> 1. Completed 2. Completed 3. Completed 	<p>Actual results:</p> <ol style="list-style-type: none"> 1. Completed 2. Completed 3. Completed
TC-37	NFR-05	None	<p>Review:</p> <ol style="list-style-type: none"> 1. User interface is intuitive and simplistic, on any device 	<p>Expected Result:</p> <p>1.Checked</p>	<p>Actual Result:</p> <p>1.Checked</p>