FUNCTIONAL TESTING FORM
Digi-Rooms: Web-Based Facility Reservation and Management System for Nuestra Señora De Aranzazu Parochial School

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RED-SV-FT-A	**Evaluator:**			**Evaluator signature:**			**Evaluation date:**			
Prototype A	**Module:**	Account Management (AM)		**Prototype version:**		DR-PT-A		**Attempt**		
Code	**Test Case**		**Prerequisites**		**Expected Outcome**			**1**	**2**	**3**
AM	**Login Function**									
FT-AM1	User logs in with no entered credentials.		Email and password text fields are empty.		Display prompt for empty fields.					
FT-AM2	User logs in with incorrect credentials.		Email and password text fields are filled but not registered.		Display prompt for incorrect credentials.					
FT-AM3	User logs in with correct email but incorrect password.		Email is registered but password is incorrect.		Display prompt for incorrect credentials.					
FT-AM4	User logs in with correct credentials.		Email and password is registered and correct.		Switch to home screen.					
FT-AM5	User sees appropriate content in home screen.		Switched to home screen.		Necessary content for the account's given permissions must be displayed.					
AM	**Register Function**									
FT-AM6	User clicks the Register button.				Switch to Register form.					
FT-AM7	User registers with no entered credentials.		Name, email, password, and repeat password are empty.		Display prompt for empty fields.					
FT-AM8	User registers with incomplete credentials.		Some text fields in the Register form is empty.		Display prompt for empty fields.					
FT-AM9	User registers with complete credentials.		Name, email, password, and repeat password text fields are filled.		Display prompt for Account Registration Sent and go back to Login screen.					
FT-AM10	User registers with existing email.		Email is already used in an existing account.		Display prompt for existing accounts.					
AM	**Account Registration Request Approval Function**									
FT-AM11	Admin views Account List screen.		At least one account registration request and one active account exists.		Display initial Account List screen with pending and active account counts.					
FT-AM12	Admin views pending requests screen.		At least one account registration request exists.		Display list of pending accounts.					

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FT-AM13	Admin clicks on a registration request.	At least one account registration request exists.	Display registration request information.			
FT-AM14	Admin approves a registration request.	Registration request information view is displayed.	Display role and permission selection window.			
FT-AM15	Admin sets access role for approved account request.	Account is approved.	Display message of approval success; user receives update notification on registered email.			
FT-AM16	Admin rejects a registration request.	Registration request information view is displayed.	Display message of rejection success; user receives update notification on registered email.			
FT-AM17	Admin rejects a registration request without a selected reason.	Registration request information view is displayed.	Display prompt for no selected reasons.			
AM	**Access Role Management Function**					
FT-AM18	Admin views active accounts list.	At least one active account exists.	Display list of active accounts.			
FT-AM19	Admin clicks on an active account.	At least one active account exists.	Display account information.			
FT-AM20	Admin modifies account permission.	Account information is displayed.	Display toast for permission modification confirmation.			
AM	**Account Status Update Notifications**					
FT-AM21	User account registration request is approved.	Admin approves the registration request.	User receives an account approval email.			
FT-AM22	User account registration request is rejected.	Admin rejects a registration request.	User receives an account rejection email.			
FT-AM23	User account permissions had been changed.	Admin modifies account permission.	User receives an account permission update email.			

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RED-SV-FT-A	Evaluator:			Evaluator signature:			Evaluation date:			
Prototype B	Module:	Interactive Map (IM) & Map Editor (ME)		Prototype version:		DR-PT-B			**Attempt**	
Code	**Test Case**		**Prerequisites**		**Expected Outcome**			**1**	**2**	**3**
IM	**Map Viewing Function**									
FT-IM1	User views the interactive map screen.		Map data exists.		Map renders the first floor of the first building in the map data.					
FT-IM2	User switches to a different floor.		Multiple floor in the selected building exists.		Map changes floor plan layout and renders markers for the selected floor.					
FT-IM3	User switches to a different building.		Multiple building exists.		Map renders the first floor of the selected building.					
FT-IM4	User changes the date and to a later date.		At least 3 existing schedules at different date/time exists.		Map updates room markers to reflect current scheduled availability; must render as red = reserved and green = available.					
FT-IM5	User changes the date and time to a past date.				Map updates room markers to reflect current scheduled availability; must render as red = reserved and green = available; must render with lower opacity and is unclickable.					
IM	**Room Information Viewing Function**									
FT-IM6	User clicks a room marker rendered as green/available.		Room marker is rendered on the map.		Display room information view with Book a Schedule button.					
FT-IM7	User clicks a room marker rendered as red/reserved.		Room marker is rendered on the map.		Display room information view.					
FT-IM8	User clicks on a non-room-marker area.				Close room information view.					
ME	**Building and Floor Creation, Modification, and Deletion Function**									
FT-ME1	Admin views the map editor screen.		Map data exists.		Render the first floor of the first building in the map data.					
FT-ME2	Admin adds a new building.		Map Editor screen is open.		Display form for building information; save changes.					
FT-ME3	Admin selects a building.		At least 1 building exists.		Render the first floor of the selected building; display building information.					

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FT-ME4	Admin edits a building.	An existing building is selected.	Display form for building information; save changes.			
FT-ME5	Admin deletes a building.	An existing building is selected.	Display prompt for deletion confirmation; remove floors and markers; save changes.			
FT-ME**6**	Admin adds a new floor.	An existing building is selected.	Display form for room information; save changes.			
FT-ME7	Admin uploads a floor plan image/vector.	Room information form view is displayed.	Render the updated floor plan layout into the map; save changes.			
FT-ME8	Admin changes to a different floor of the building.	An existing building is selected; at least 1 floor exists.	Render the floor plan layout and corresponding room markers.			
FT-ME9	Admin selects a floor.	At least 1 floor in a building exists.	Render the room markers and floor plan layout.			
FT-ME10	Admin edits a floor.	An existing floor is selected.	Display form for room information; save changes.			
FT-ME11	Admin deletes a floor.	An existing floor is selected.	Display prompt for deletion confirmation; remove markers; save changes.			
ME	**Rom Marker Creation, Modification, and Deletion Function**					
FT-ME12	Admin adds a new room marker.	An existing floor is selected.	Display form for room information; place room marker at 0:0 position in the map; save changes.			
FT-ME13	Admin selects a room marker.	At least 1 room marker exists.	Display room information view.			
FT-ME14	Admin edits a room marker.	An existing room marker is selected.	Display form for room information; save changes.			
FT-ME15	Admin drags a room marker to reposition it.	An existing room marker is selected.	Update room marker map coordinates; save changes.			
FT-ME16	Admin deletes a room marker.	An existing room marker is selected.	Display prompt for deletion confirmation; remove marker; save changes.			

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RED-SV-FT-A	**Evaluator:**			**Evaluator signature:**			**Evaluation date:**			
Prototype C	**Module:**	Schedule Management (SM)		**Prototype version:**		DR-PT-C		**Attempt**		
Code	**Test Case**		**Prerequisites**		**Expected Outcome**			**1**	**2**	**3**
SM	**Schedule Viewing Function**									
FT-SM1	User views the schedules screen.		At least 1 schedule data exists.		Display the schedule timetable of the first room in the map data.					
FT-SM2	User selects a room at a specific date/time.		Selected room has at least 1 scheduled reservation.		Display the schedule timetable of the selected room at the specified date and time.					
FT-SM3	User selects a reservation schedule block in the timetable.		An existing reservation block in the timetable is selected.		Display reservation information view.					
FT-SM4	User selects an empty timetable block.		An existing room is selected.		Close reservation information view.					
SM	**Reservation Request Creation, Schedule Conflict Detection, and Alternative Room Recommendation Function**									
FT-SM6	User clicks on Create a Reservation button.		The schedules screen is displayed.		Display Create a Reservation window.					
FT-SM7	User enters complete request information in Step 1: Request Information view and clicks Next.		The Create a Reservation window is displayed; all fields are filled.		Switch to Step 2: Schedule Information view.					
FT-SM8	User enters incomplete request information in Step 1: Request Information view and clicks Next.		At least 1 input field is empty.		Display prompt for empty fields.					
FT-SM9	User enters complete schedule information in Step 2: Schedule Information view and clicks Next.		All fields are filled.		Switch to Step 3: Finalize Request view; all entered information in Step 1 and 2 are displayed.					
FT-SM10	User enters incomplete schedule information in Step 2: Schedule Information view and clicks Next.		At least 1 input field is empty.		Display prompt for empty fields.					
FT-SM11	User enters a past date on the Date field in Step 2: Schedule Information view and clicks Next.		The Date field value is set to a past date.		Display prompt for invalid field values.					

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FT-SM12	User enters a past time on the Start Time field in Step 2: Schedule Information view and clicks Next.	The Start Time field value is set to a time past the current system time.	Display prompt for invalid field values.			
FT-SM13	User sets the End Time field value at an earlier time than the Start Time field value in Step 2: Schedule Information view and clicks Next.	The End Time field value is earlier than the Start Time field value.	Display prompt for invalid field values.			
FT-SM14	User sets schedule information to an existing conflicting schedule in Step 2: Schedule Information view and clicks Next.	An existing schedule matches the same date, room, and time range as the requested schedule information.	Display conflict detected view; Display conflicting schedule(s); Display suggested available room; disables Next.			
FT-SM15	User clicks on a conflicting schedule in Step 2: Schedule Information view.	An existing schedule matches the same date, room, and time range as the requested schedule information.	Display conflicting schedule information view.			
FT-SM16	User clicks on Use this room instead in Step 2: Schedule Information view.	An existing schedule matches the same date, room, and time range as the requested schedule information.	Display set information confirmation view; Automatically set Room field value into suggested Room.			
FT-SM17	User clicks Find other rooms in Step 2: Schedule Information view.	An existing schedule matches the same date, room, and time range as the requested schedule information.	Display Find alternatives window and Interactive Map view with the floor value set to the same floor as the requested room and the date value set to the requested date.			
FT-SM18	User clicks on an available room in the Find alternatives window.	The Find alternatives window is displayed.	Display room information view and Use this room instead button.			
FT-SM19	User clicks on Use this room instead in the Find alternatives window.	The Find alternatives window is displayed.	Close Find alternatives window and set the Room field value into chosen room.			
FT-SM20	User clicks on an unavailable room in the Find alternatives window.	The Find alternatives window is displayed.	Display room information view and conflicting schedule for the room.			
FT-SM21	User clicks on Send Request in Step 3: Finalize request view.		Display Request created window.			
FT-SM22	User clicks on Previous in Step 3: Finalize request view.		Switch to Step 2: Schedule Information view.			
FT-SM23	User clicks on Previous in Step 2: Schedule Information view.		Switch to Step 1: Request Information view.			
FT-SM24	User clicks on Close in Create a Reservation window.	The Create a Reservation window is displayed.	Display cancel reservation request confirmation window.			
FT-SM25	User clicks on Continue reserving in the cancel reservation request confirmation window.	The cancel reservation request confirmation window is displayed.	Close cancel reservation request confirmation window.			

FT-SM26	User clicks on Cancel reservation in the cancel reservation request confirmation window.	The cancel reservation confirmation window is displayed.	Close cancel reservation request confirmation and Create a Reservation window.			
SM	**Reservation Approval and Reservation Rejection Function**					
FT-SM27	Staff views the schedules screen.	At least 1 approved and 1 approval pending (Initial stage) schedule data exists.	Display the schedules screen with 2 tabs – schedule timetable of the first room in the map data, approval pending (Initial stage) reservation requests.			
FT-SM28	Staff clicks the Pending Approval tab.	At least 1 approval pending (Initial stage) schedule data exists.	Display list of approval pending (Initial stage) requests.			
FT-SM29	Staff clicks on a pending approval request.	At least 1 approval pending (Initial stage) schedule data exists.	Display Reservation Information request window.			
FT-SM30	Staff clicks on Approve in Reservation Information request window.	The Reservation Information request window is displayed.	Display Request approved window; approved request disappears from approval pending (Initial stage) reservation request list; approved request set to approval pending (Final stage); send email update to requester email.			
FT-SM31	Staff clicks on Reject in Reservation Information request window.	The Reservation Information request window is displayed.	Display Reject request window.			
FT-SM32	Staff inputs a rejection reason and clicks Finalize.	The Reject request window is displayed.	Display Request rejected window; rejected request disappears from approval pending (Initial stage) reservation request list; send email update to requester email.			
FT-SM33	Admin views the schedules screen.	At least 1 approved and 1 approval pending (Final stage) schedule data exists.	Display the schedules screen with 2 tabs – schedule timetable of the first room in the map data, approval pending (Final stage) reservation requests.			
FT-SM34	Admin clicks the Pending Approval tab.	At least 1 approval pending (Final stage) schedule data exists.	Display list of approval pending (Final stage) requests.			
FT-SM35	Admin clicks on a pending approval request.	At least 1 approval pending (Final stage) schedule data exists.	Display Reservation Information request window.			
FT-SM36	Admin clicks on Approve in Reservation Information request window.	The Reservation Information request window is displayed.	Display Request approved window; rejected request disappears from approval pending (Final stage) reservation request list; commit reservation to schedules; send email update to requester email.			
FT-SM37	Admin clicks on Reject in Reservation Information request window.	The Reservation Information request window is displayed.	Display Reject request window.			
FT-SM38	Admin inputs a rejection reason and clicks Finalize.	The Reject request window is displayed.	Display Request rejected window; rejected request disappears from approval pending (Final stage)			

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			reservation request list; send email update to requester email.			
SM	**Schedule Editing Function**					
FT-SM39	Admin clicks on an scheduled reservation block from the timetable.	The schedules screen and schedule timetable is displayed.	Display reservation information view.			
FT-SM40	Admin clicks Edit in Reservation information view.	The Display reservation information view is displayed.	Display Edit a reservation window.			
FT-SM41	Admin edits reservation information with completed fields and clicks Save changes.	All input fields are filled with valid information.	Close Edit a reservation window; update schedule information; send email update to requester email;			
FT-SM42	Admin sets schedule information to an existing conflicting schedule	An existing schedule matches the same date, room, and time range as the requested schedule information.	Display conflicting schedule information view.			
FT-SM43	Admin clicks Save changes with incomplete fields.	At least 1 input field is empty.	Display prompt for incomplete fields.			

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RED-SV-FT-A	**Evaluator:**			**Evaluator signature:**			**Evaluation date:**			
Prototype D	**Module:**	Reports Generation (RG)		**Prototype version:**		DR-PT-D		**Attempt**		
Code	**Test Case**		**Prerequisites**		**Expected Outcome**			**1**	**2**	**3**
RG	**Schedule Timetable Creation and Viewing Function**									
FT-RG1	User views the Generate Reports screen.		At least 3 room and schedule data exists.		Display initial screen.					
FT-RG2	User clicks Schedule Timetable in the initial screen.		At least 3 room and schedule data exists.		Switch to Schedule Timetable screen.					
FT-RG3	User changes field values in the Set List Parameters view.		At least 3 room and schedule data exists.		Timetable document preview changes content.					
RG	**Room Utilization Report Creation and Viewing Function**									
FT-RG4	User clicks Room Utilization in the initial screen.				Switch to Room Utilization screen.					
FT-RG5	User chooses a room in the Set List Parameters view.				Room utilization document preview changes content.					
	Map Overview Creation and Viewing Function									
FT-RG6	User clicks Map Overview in the initial screen.				Switch to Map Overview screen.					
FT-RG7	User chooses a floor in the Set List Parameters view.				Map overview document preview changes content.					
	Reservation Slip Creation and Viewing Function									
FT-RG8	User clicks Reservation Slip in the initial screen.				Switch to Reservation Slip screen.					
FT-RG9	User chooses a reservation in the Set List Parameters view.				Reservation slip document preview changes content.					
	Account List Creation and Viewing Function									
FT-RG10	User clicks Account List in the initial screen.				Switch to Account List screen.					
	Log Creaton and Viewing Function									

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FT-RG11	User clicks Logs in the initial screen.		Switch to Logs screen.			
FT-RG12	User changes field values in the Set List Parameters view.	The start and end time and date field values are set.	Display all log entries based on specified time duration.			
FT-RG13	User changes field values in the Set List Parameters view with the end time being earlier than the start time.	The end time is set to an earlier value than the start time.	Display prompt for invalid values.			
	Document Export to PDF and Document Prinitng Function					
FT-RG14	User clicks Export document.	An existing document is currently selected.	Download document as PDF.			
FT-RG15	User clicks Print document.	An existing document is currently selected.	Open browser printing interface.			