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Activity No. 2

REQUIREMENT TRACEABILITY MATRIX

Of

Empowering Communities: Elderlink – A Comprehensive Information Management System for

Community Administration and Engagement Among Senior Citizens

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BSIT 4EG1



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Functionality Matrix Reference	Application Requirements Definition / Use Case	Module	Requirement Description	Source Code	Unit / Module Test Case IDs	Severity	Remarks
AUTH-01	Admin Login Page	Admin Login	Admin can access a secure login page	admin_login.py	TC-AUTH- 01-PT	High	
AUTH-01	Admin Login Page	Admin Login	Admin can access a secure login page	admin_login.py	TC-AUTH- 01-ST	High	
AUTH-02	Username and Password Input	Admin Login	Admin can input username and password	admin_login.py	TC-AUTH- 02-PT	High	
AUTH-02	Username and Password Input	Admin Login	Admin can input username and password	admin_login.py	TC-AUTH- 02-ST	High	
AUTH-03	Password Encryption	Admin Login	Entered password is encrypted before transmission	admin_login.py	TC-AUTH- 03-ST	High	
AUTH-04	Authentication Process	Admin Login	System verifies admin credentials against stored data	admin_login.py	TC-AUTH- 03-PT	High	
AUTH-04	Authentication Process	Admin Login	System verifies admin credentials against stored data	admin_login.py	TC-AUTH- 04-ST	High	
AUTH-04	Authentication Process	Admin Login	System verifies admin credentials against stored data	admin_login.py	TC-AUTH- 01-IT	High	



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AUTH-05	Failed Login Attempt Handling	Admin Login	System handles failed login attempts securely	admin_login.py	TC-AUTH- 04-ST	High	
AUTH-05	Failed Login Attempt Handling	Admin Login	System handles failed login attempts securely	admin_login.py	TC-AUTH- 01-SR	High	
AUTH-06	Successful Login Redirect	Admin Login	System redirects to admin dashboard upon successful login	admin_login.py	TC-AUTH- 04-PT	Medium	
AUTH-06	Successful Login Redirect	Admin Login	System redirects to admin dashboard upon successful login	admin_login.py	TC-AUTH- 02-IT	Medium	
AUTH-07	Session Creation	Admin Login	System creates a secure session for authenticated admin	admin_login.py	TC-AUTH- 05-ST	High	
AUTH-07	Session Creation	Admin Login	System creates a secure session for authenticated admin	admin_login.py	TC-AUTH- 03-IT	High	
AUTH-08	Remember Me Functionality	Admin Login	Admin can choose to stay logged in on trusted devices	admin_login.py	TC-AUTH- 05-PT	Low	
AUTH-08	Remember Me Functionality	Admin Login	Admin can choose to stay logged in on trusted devices	admin_login.py	TC-AUTH- 06-ST	Low	
AUTH-09	Forgot Password Link	Admin Login	Admin can request password reset via email	admin_login.py	TC-AUTH- 06-PT	Medium	
AUTH-09	Forgot Password Link	Admin Login	Admin can request password reset via email	admin_login.py	TC-AUTH- 07-ST	Medium	
AUTH-09	Forgot Password Link	Admin Login	Admin can request password reset via email	admin_login.py	TC-AUTH- 04-IT	Medium	



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AUTH-10	Logout Functionality	Admin Login	Admin can securely log out of the system	admin_login.py	TC-AUTH- 07-PT	High	
AUTH-10	Logout Functionality	Admin Login	Admin can securely log out of the system	admin_login.py	TC-AUTH- 08-ST	High	
LP-01	Navigation menu	Home (Landing Page)	Display navigation menu with Home, About, Features, News, Events, Forms, and Contact Us	landing_page.php	TC-LP-01- PT	High	
LP-01	Navigation menu	Home (Landing Page)	Display navigation menu with Home, About, Features, News, Events, Forms, and Contact Us	landing_page.php	TC-LP-01- IT	High	
LP-02	Hero section	Home (Landing Page)	Display hero section with main headline and sub headline	landing_page.php	TC-LP-02- PT	High	
LP-03	About section	About (Landing Page)	Display information about Elderlink with text and images	landing_page.php	TC-LP-03- PT	Medium	
LP-04	News section	News (Landing Page)	Display a scrollable list of latest news items with images and titles	landing_page.php	TC-LP-04- PT	Medium	
LP-04	News section	News (Landing Page)	Display a scrollable list of latest news items with images and titles	landing_page.php	TC-LP-02- IT	Medium	



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LP-04	News item	News (Landing Page)	Allow users to click on news items to view full details	landing_page.php	TC-LP-05- PT	Low	
LP-05	Events list	Events (Landing Page)	Display a list of upcoming events with dates and titles	landing_page.php	TC-LP-06- PT	Medium	
LP-05	Events list	Events (Landing Page)	Display a list of upcoming events with dates and titles	landing_page.php	TC-LP-03- IT	Medium	
LP-06	Calendar view of events	Events (Landing Page)	Provide a calendar view showing events on their respective dates	landing_page.php	TC-LP-07- PT	Medium	
LP-06	Calendar view of events	Events (Landing Page)	Provide a calendar view showing events on their respective dates	landing_page.php	TC-LP-04- IT	Medium	
LP-07	Application forms section	Forms (Landing Page)	Display a list of downloadable forms categorized by type	landing_page.php	TC-LP-08- PT	High	
LP-08	Form download functionality	Contact Us (Landing Page)	Allow users to download individual forms	landing_page.php	TC-LP-09- PT	High	



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LP-08	Form download functionality	Contact Us (Landing Page)	Allow users to download individual forms	landing_page.php	TC-LP-05- IT	High	
LP-09	Contact us form	Contact Us (Landing Page)	Provide a form for users to send messages with name, contact number, and message fields	landing_page.php	TC-LP-10- PT	High	
LP-09	Contact us form	Contact Us (Landing Page)	Provide a form for users to send messages with name, contact number, and message fields	landing_page.php	TC-LP-06- IT	High	
LP-10	Form submission	Contact Us (Landing Page)	Process and send form submissions to appropriate recipient	landing_page.php	TC-LP-11- PT	High	
LP-10	Form submission	Contact Us (Landing Page)	Process and send form submissions to appropriate recipient	landing_page.php	TC-LP-01- ST	High	
AD-01	Monitor system status via metrics dashboard	Admin Dashboard	Admin can view graphs and key metrics that can be expandable for a more detailed view	admin_dashboard.py	TC-AD-01- PT	Medium	
AD-01	Monitor system status via metrics dashboard	Admin Dashboard	Admin can view graphs and key metrics that can be expandable for a more detailed view	admin_dashboard.py	TC-AD-01- SR	Medium	
AD-02	Tracks admin actions and system changes	Admin Audit Trail	Every admin action is logged with timestamps	admin_dashboard.py	TC-AD-02- PT	High	



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AD-02	Tracks admin actions and system changes	Admin Audit Trail	Every admin action is logged with timestamps	admin_dashboard.py	TC-AD-01- ST	High	
AD-02	Tracks admin actions and system changes	Admin Audit Trail	Every admin action is logged with timestamps	admin_dashboard.py	TC-AD-01- IT	High	
AD-02	View members list with key metrics	Members List Management	Admin can view members list with key metrics above	members_list.py	TC-ML-01- PT	Medium	
AD-02	View members list with key metrics	Members List Management	Admin can view members list with key metrics above	members_list.py	TC-ML-01- SR	Medium	
AD-03	Add new members to the system	Members List Management	Admin can create new member records	members_list.py	TC-ML-02- PT	High	
AD-03	Add new members to the system	Members List Management	Admin can create new member records	members_list.py	TC-ML-01- ST	High	
AD-03	Add new members to the system	Members List Management	Admin can create new member records	members_list.py	TC-ML-01- IT	High	
AD-04	Modify member records	Members List Management	Admin can edit existing member records	members_list.py	TC-ML-03- PT	Medium	



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AD-04	Modify member records	Members List Management	Admin can edit existing member records	members_list.py	TC-ML-02- ST	Medium	
AD-05	Archive all member records	Members List Management	Admin can archive existing member records	members_list.py	TC-ML-04- PT	Medium	
AD-05	Archive all member records	Members List Management	Admin can archive existing member records	members_list.py	TC-ML-02- IT	Medium	
AD-06	Search and apply filter member records	Members List Management	Admin can search and apply filters for specific members	members_list.py	TC-ML-05- PT	Medium	
AD-06	Search and apply filter member records	Members List Management	Admin can search and apply filters for specific members	members_list.py	TC-ML-02- SR	Medium	
AD-07	Generate member reports	Members List Management	Export member records into reports	members_list.py	TC-ML-06- PT	Low	
AD-08	View health records with key metrics	Health Records Management	Admin can view the list of health records with key metrics	health_records.py	TC-HR-01- PT	Medium	



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AD-08	View health records with key metrics	Health Records Management	Admin can view the list of health records with key metrics	health_records.py	TC-HR-01- SR	Medium	
AD-09	Add new health records to system	Health Records Management	Admin can add new health records	health_records.py	TC-HR-02- PT	High	
AD-09	Add new health records to system	Health Records Management	Admin can add new health records	health_records.py	TC-HR-02- SR	High	
AD-09	Add new health records to system	Health Records Management	Admin can add new health records	health_records.py	TC-HR-01- IT	High	
AD-10	Modify existing health records	Health Records Management	Admin can edit existing health records	health_records.py	TC-HR-03- PT	High	
AD-10	Modify existing health records	Health Records Management	Admin can edit existing health records	health_records.py	TC-HR-01- ST	High	
AD-11	Archive health records	Health Records Management	Admin can archive existing health records	health_records.py	TC-HR-04- PT	Medium	



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AD-11	Archive health records	Health Records Management	Admin can archive existing health records	health_records.py	TC-HR-01- IT	Medium	
AD-12	Search and filter health Records	Health Records Management	Admin can search and apply filters for specific health records	health_records.py	TC-HR-05- PT	Medium	
AD-12	Search and filter health Records	Health Records Management	Admin can search and apply filters for specific health records	health_records.py	TC-HR-03- SR	Medium	
AD-13	Generate health records report	Health Records Management	Admin can export health records into reports	health_records.py	TC-HR-06- PT	Low	
AD-14	View beneficiaries with key metrics	Financial Assistance Management	Admin can view list of beneficiaries with key metrics	financial_assistance.py	TC-FA-01- PT	Medium	
AD-14	View beneficiaries with key metrics	Financial Assistance Management	Admin can view list of beneficiaries with key metrics	financial_assistance.py	TC-FA-01- SR	Medium	
AD-15	Add new beneficiary record	Financial Assistance Management	Admin can add a new beneficiary	financial_assistance.py	TC-FA-02- PT	High	



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AD-15	Add new beneficiary record	Financial Assistance Management	Admin can add a new beneficiary	financial_assistance.py	TC-FA-01- ST	High	
AD-15	Add new beneficiary record	Financial Assistance Management	Admin can add a new beneficiary	financial_assistance.py	TC-FA-01- IT	High	
AD-16	Modify beneficiary records	Financial Assistance Management	Admin can edit existing beneficiary records	financial_assistance.py	TC-FA-03- PT	Medium	
AD-16	Modify beneficiary records	Financial Assistance Management	Admin can edit existing beneficiary records	financial_assistance.py	TC-FA-02- ST	Medium	
AD-17	Archive beneficiary records	Financial Assistance Management	Admin can archive existing beneficiary records	financial_assistance.py	TC-FA-04- PT	Medium	
AD-17	Archive beneficiary records	Financial Assistance Management	Admin can archive existing beneficiary records	financial_assistance.py	TC-FA-02- IT	Medium	
AD-18	View events in list or calendar format	Events Management	Admin can choose to view an event into a list or calendar view	events.py	TC-EV-01- PT	Low	
AD-19	Create a new event	Events Management	Admin can add new events to the list of events	events.py	TC-EV-02- PT	High	



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AD-19	Create a new event	Events Management	Admin can add new events to the list of events	events.py	TC-EV-01- ST	High	
AD-19	Create a new event	Events Management	Admin can add new events to the list of events	events.py	TC-EV-01- IT	High	
AD-20	Edit event details	Events Management	Admin can edit an existing event	events.py	TC-EV-03- PT	High	
AD-20	Edit event details	Events Management	Admin can edit an existing event	events.py	TC-EV-02- ST	High	
AD-21	Archive an event	Events Management	Admin can archive existing events	events.py	TC-EV-04- PT	Medium	
AD-21	Archive an event	Events Management	Admin can archive existing events	events.py	TC-EV-02- IT	Medium	
AD-22	Notify members about existing event	Events Management	Admin can send SMS notifications to members about the event	events.py	TC-EV-05- PT	Medium	
AD-22	Notify members about existing event	Events Management	Admin can send SMS notifications to members about the event	events.py	TC-EV-03- IT	Medium	