

User Story											
User Story					Dependencies			Milestone			
Epic	Title	Description	Assessment Criteria	Tasks	Epic	Title	Label (MSC)	from	until	Added to GitHub Issues	Completed
User Management	Create account	As a new user, I want to **create an account and provide my basic information** to **have a personalized experience**.	User should be able to: - [] register a new account - [] enter basic information (such as name and email) - [] receive a confirmation email	- [] Design and implement a user registration form - [] Create a database model for user accounts - [] Implement backend logic to handle user registration and validation - [] Add frontend validation to ensure required fields are filled - [] Store user account information securely in database			must have			<input type="checkbox"/>	<input type="checkbox"/>
	Log in	As a **registered user**, I want to **log in and securely access my account** to **maintain privacy and security**.	User should be able to: - [] log in with their registered credentials - [] access their account securely	- [] Design and implement a login form - [] Create a database model for user accounts - [] Implement backend logic to handle user authentication - [] Add frontend validation for login credentials - [] Create a session management system to keep users logged in	User Management	Create account	must have			<input type="checkbox"/>	<input type="checkbox"/>
	Manage account settings	As a **user**, I want to **update my profile information and manage account settings** to **customize my experience**.	User should be able to: - [] edit their profile information such as name, email, and profile picture - [] update account settings, including password change and email preferences.	- [] Design and implement a user profile page - [] Add functionality to update profile information - [] Create a settings page to manage account preferences - [] Implement backend logic to handle profile and setting updates - [] Add frontend validation for input fields	User Management	Create account	should have			<input type="checkbox"/>	<input type="checkbox"/>
	Reset password	As a **user**, I want the to **have the option to reset my password in case I forget it** to **recover my account**.	User should have the ability to: - [] reset their password via a password reset link sent to their registered email address	- [] Design and implement a password reset feature - [] Create a "Forgot Password" functionality - [] Implement backend logic to handle password reset request - [] Generate a secure password reset link and send it via email - [] Design and implement a password reset form for users to set a new password	User Management	Create account	should have			<input type="checkbox"/>	<input type="checkbox"/>
Daily Journaling	Create morning journal entries	As a **user**, I want to **create morning journal entries with intentions and targets** to **start the day with purpose**.	User should be able to: - [] access the journal entry creation interface - [] create a new morning journal entry - [] enter intentions and targets - [] view and edit their existing morning journal entries - [] save it for future reference, associated with the user's account - [] delete their morning journal entries	- [] Design and implement a journal entry form - [] Create a database model for journal entries - [] Implement backend logic to handle journal entry creation - [] Add frontend validation to ensure required fields are filled - [] Store journal entry information securely in the database	User Management	Create account	must have			<input type="checkbox"/>	<input type="checkbox"/>
	Create evening journal entries	As a **user**, I want to **create evening journal entries with reflections and gratitude** to **foster self-awareness and mindfulness**.	User should be able to: - [] access the journal entry creation interface - [] create a new evening journal entry - [] enter intentions and targets - [] view and edit their existing evening journal entries - [] save it for future reference, associated with the user's account - [] delete their evening journal entries	- [] Design and implement a journal entry form - [] Create a database model for journal entries - [] Implement backend logic to handle journal entry creation - [] Add frontend validation to ensure required fields are filled - [] Store journal entry information securely in the database	User Management	Create account	must have			<input type="checkbox"/>	<input type="checkbox"/>
	Edit/Delete journal entries	As a **user**, I want to **edit or delete my journal entries** to **ensure accuracy and organization**.	User should be able to: - [] edit the content of their journal entries - [] delete them entirely if needed	- [] Design and implement a journal entry list page - [] Create functionality to display a list of journal entries - [] Implement backend logic to retrieve journal entries from the database - [] Add options to edit and delete journal entries - [] Design and implement a journal entry detail page for viewing and editing individual entries	User Management	Create account	should have			<input type="checkbox"/>	<input type="checkbox"/>
	List journal entries	As a **user**, I want to **view a list of past journal entries and navigate between them** to **be able to easily reference and reflect upon**.	User should be able to: - [] view a list of their past journal entries - [] sort by date - [] navigate between them to review their previous entries User should be able to: - [] create categories or tags for their journal entries - [] assign one or multiple categories or tags to each journal entry	- [] Design and implement a journal entry model - [] Create a view to display a list of journal entries - [] Implement sorting functionality - [] Add navigation features	User Management	Create account	should have			<input type="checkbox"/>	<input type="checkbox"/>
	Tag and Categorise	As a **user**, I want to **be able to categorise and tag my journal entries** to **be able to filter and search entries**.	- [] filter and search journal entries based on categories or tag - [] see only relevant journal entries when filtering or searching - [] edit or remove categories or tag from journal entries - [] easily manage and organise their categories or tags	- [] Design and implement a category and tag system - [] Create database models for categories and tags - [] Implement functionality to assign categories and tags to journal entries - [] Add options to filter and search journal entries based on categories and tag - [] Design and implement a category and tag management system			could have			<input type="checkbox"/>	<input type="checkbox"/>

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Goal Setting and Tracking	Set goals	As a **user**, I want to **set goals for different areas of my life** to **stay focused and motivated**	User should be able to: - [] set goals for various areas (e.g., health, work, personal growth) - [] specify goals' details - [] target dates	- [] Design and implement a goal setting form - [] Create a database model for goals - [] Implement backend logic to handle goal creation and tracking - [] Add frontend validation and goal setting - [] Display goal progress and provide options for updating progress	User Management	Create account	should have			<input type="checkbox"/>	<input type="checkbox"/>
	Manage goals	As a **user**, I want to **be able to view and manage my goals**	User should be able to: - [] view a list of their goals - [] create new goals - [] edit existing goals	- [] Design and implement a goal management page - [] Create a view to display a list of goals - [] Implement functionality to create new goals - [] Implement functionality to edit new goals - [] Implement functionality to delete goals			should have			<input type="checkbox"/>	<input type="checkbox"/>
	Reminders / notifications	As a **user**, I want to **receive reminders or notifications** to **help me stay on track with my goals and progress**	User should: - [] receive reminders or notifications for upcoming goal deadlines - [] receive reminders or notifications for goal progress milestones - [] have control over the frequency and timing of the reminders or notifications	- [] Design and implement a notification system - [] Set up reminders for upcoming goal deadlines - [] Set up notifications for goal progress milestones - [] Provide options for users to customise their notification preferences	User Management	Create account	could have			<input type="checkbox"/>	<input type="checkbox"/>
	Track progress	As a **user**, I want to **track my goal progress and visualize my achievements** to **promote motivation and accountability**	User should be able to: - [] track the progress of their goals - [] view visual representations of their achievements - [] have access to visual representations of their goal progress and achievements	- [] Design and implement a mechanism for tracking goal progress - [] Create visual representations of goal progress and achievements - [] Provide user-friendly interfaces for users to view and interact with goal progress visuals	User Management	Create account	could have			<input type="checkbox"/>	<input type="checkbox"/>
Data Privacy and Security	Personal Data Protection	As a **user**, I want to **ensure my personal and journal data is securely stored and protected** to **ensure confidentiality**	User's personal and journal data should be: - [] securely encrypted and stored, ensuring confidentiality and data protection.	- [] Research and implement industry-standard encryption mechanism for sensitive user data - [] Develop a data storage strategy that complies with relevant data protection regulations - [] Implement secure authentication and authorisation mechanisms to protect user accounts - [] Conduct regular security audits and vulnerability assessments to identify and address potential risks - [] Design and implement a privacy settings page to allow users to control their data sharing preferences	User Management	Create account	should have			<input type="checkbox"/>	<input type="checkbox"/>
	Third-party data sharing	As a **user**, I want to **be assured that my data won't be shared with third parties without my consent** to **ensure privacy**	- [] The system ensures user data privacy implementing appropriate security measures - [] User data is stored securely and protected from unauthorised access - [] The system provides clear and transparent privacy policy that outline how user data is handled - [] Users have control over their data and can provide consent for sharing with third parties - [] The system complies with relevant data protection regulations and laws	- [] Create a comprehensive privacy policy that clearly outlines the data collection and usage practices - [] Provide users with a clear and accessible privacy policy agreement during the onboarding process - [] Implement user consent mechanisms for collecting and using personal data - [] Display prominent notifications and alerts for any changes to the privacy policy - [] Continuously review and update the privacy policy to ensure compliance with changing regulations	User Management	Create account	could have			<input type="checkbox"/>	<input type="checkbox"/>
	Delete account	As a **user**, I want to **be able to delete my account and associated data** to **ensure control and data management**	User should: - [] be able to initiate the deletion of their account - [] have their associated data securely and permanently deleted - [] receive confirmation and notification upon successful deletion of the account and data	- [] Design and implement a mechanism for user account deletion - [] Identify and securely delete all associated data - [] Provide confirmation and notification to the user after account deletion	User Management	Create account	could have			<input type="checkbox"/>	<input type="checkbox"/>

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Analytics and Insights	Personalised recommendations	As a **user**, I want to **receive insights and recommendations based on my journal entries** to **support personal growth**	entries, as the app should extract meaningful insights - [] receive personalized insights and recommendations based on the analysis of their journal entries to support their personal growth journey - [] receive insights and recommendations	- [] Develop algorithms or models to analyse journal entries and extract insights	User Management	Create account				<input type="checkbox"/>	<input type="checkbox"/>	
				- [] Implement logic to generate personalised recommendation based on the analysis	Daily Journaling	Create morning journal	could have			<input type="checkbox"/>	<input type="checkbox"/>	
				- [] Design and implement a user interface to present the insights and recommendations	Daily Journaling	Create evening journal	could have			<input type="checkbox"/>	<input type="checkbox"/>	
				- [] Continuously refine the algorithms and models based on the user feedback and data	User Management	Create account				<input type="checkbox"/>	<input type="checkbox"/>	
					Daily Journaling	Create morning journal				<input type="checkbox"/>	<input type="checkbox"/>	
	Journal entry analysis	As a **user**, I want to **view visualisations of my journaling patterns and progress over time** to **self-reflect**	User should be able to: - [] view visual representations (charts, graphs, etc.) of their journaling patterns and progress over time for self-reflection and analysis	- [] Implement tracking mechanisms to collect relevant user activity data - [] Integrate analytics tools to analyse user behaviour and identify usage patterns - [] Develop algorithms to provide personalised recommendations and insights based on user data - [] Design and implement visualisations and dashboards to present analytics and insights to users - [] Ensure data anonymity and privacy while generating analytics and insights	Daily Journaling	Create evening journal	could have			<input type="checkbox"/>	<input type="checkbox"/>	
Data and trends	As a **user**, I want to **be able to access statistical data and trends related to my journaling activities** to **promote self-awareness**	and trends based on the user's journaling activities - [] Users should be able to access visual representations of their journaling data, such as charts or graphs - [] The statistical data and trends should promote self-awareness and provide insights	- [] Develop algorithms or models to analyse the data and extract meaningful statistical insights	User Management	Create account					<input type="checkbox"/>	<input type="checkbox"/>	
			- [] Create visual representations of the data using charts, graphs or other visualizations	Daily Journaling	Create morning journal	could have			<input type="checkbox"/>	<input type="checkbox"/>		
			- [] Conduct user research and usability testing to gather feedback in the existing interface									
			- [] Refine and optimise the visual design to improve aesthetics and usability									
Clean and intuitive user interface	As a **user**, I want to **have a clean and intuitive user interface** to **be able to easily navigate and enjoy the experience**	User should experience: - [] a clean and intuitive user interface - [] clear navigation and smooth interactions - [] provide a pleasant experience	- [] Implement responsive design to ensure a seamless experience across different devices - [] Enhance navigation and user flow to streamline the interaction with the app - [] Continuously iterate and improve the user interface based on user feedback and usage data			must have			<input type="checkbox"/>	<input type="checkbox"/>		
User Interface and Experience	Cross browser and device	As a **user**, I want to **use the app across different devices and be responsive** to **accessible and flexible**	App: - [] should be accessible and usable across different devices, including desktop, laptops, tablets and mobile devices - [] user interface should adapt and be responsive to different screen sizes and resolutions - [] allows users to be able to interact seamlessly regardless of the device	- [] Design and implement a responsive layout for the app			should have			<input type="checkbox"/>	<input type="checkbox"/>	
				- [] Use CSS media queries to adjust the user interface based on different screen sizes								
				- [] Test the app's usability and responsiveness on various devices and screen sizes								
				- [] Optimise the app's performance for different devices and ensure smooth user experience								
Enhanced user experience	As a **user**, I want to **have a seamless and enjoyable user experience** to **enhance engagement and satisfaction**	App should: - [] provide a seamless and intuitive user experience - [] allow users to be able to navigate and interact with the app easily and effortlessly - [] have a design and functionality that should enhance user engagement and satisfaction	- [] Conduct user research to understand user preferences and expectations - [] Design and implement a user-friendly and visually appealing interface - [] Optimise performance to ensure smooth and responsive interactions - [] Incorporate user feedback and iterate on the user experience			should have			<input type="checkbox"/>	<input type="checkbox"/>		
Backend Development	Set up API	As a **developer**, I want to **set up the API for the app** to **handle data requests and interactions**	User should be able to: - [] set up the Django project with the necessary directory structure, configuration files, and initial database setup - [] design the API architecture and endpoints - [] set up the Django REST Framework for building the API - [] implement authentication and authorisation mechanisms - [] create the necessary API view and serializers - [] write unit tests for API endpoints using Django REST Framework's testing tools - [] test API endpoints for various scenarios, including success cases and error handling - [] implement pagination on filtering - [] Document the API endpoints and provide usage instructions	- [] Design the API architecture and endpoints - [] Set up the Django REST Framework for building the API - [] Implement authentication and authorisation mechanisms - [] Create the necessary API views and serializers - [] Write unit tests for API endpoints using Django REST Framework's testing tools - [] Test API endpoints for various scenarios, including success cases and error handling - [] Implement pagination or filtering if necessary - [] Document the API endpoints and provide usage instructions		should have			<input type="checkbox"/>	<input type="checkbox"/>		
	User manage functionality	As a **developer**, I want to **implement the user management functionality** to **enable user registration, login, and account management**	- [] log in with their credentials securely - [] manage their account settings, such as updating their profile information or change their password	such as updating profile information and changing password - [] Implement validation and error handling mechanisms for user registration and login	User Management	Create account				<input type="checkbox"/>	<input type="checkbox"/>	
					User Management	Log in	should have			<input type="checkbox"/>	<input type="checkbox"/>	
					User Management	Manage account settings				<input type="checkbox"/>	<input type="checkbox"/>	
	Create and manage journal entries	As a **developer**, I want to **implement the functionality for creating and managing journal entries** to **allow the users to manage their journal entries**	- [] delete entries when needed - [] Journal entries should be securely stored and associated with the user's account	- [] Implement backend logic to handle the editing and updating of journal entries, including validation and secure database updates	Daily Journaling	Create morning journal	could have			<input type="checkbox"/>	<input type="checkbox"/>	
					Daily Journaling	Create evening journal	should have			<input type="checkbox"/>	<input type="checkbox"/>	
					Daily Journaling	Edit/Delete journal ent				<input type="checkbox"/>	<input type="checkbox"/>	
Goal setting and tracking	As a **developer**, I want to **implement goal setting and tracking functionality** to **enable the user to be able to set goals and track them**	- [] track their progress towards their goals - [] receive feedback and updates on their goal progress	- [] Design and implement mechanisms for for viewing and tracking goals - [] Implement backend logic to handle goal tracking, including updating progress and	Goal Setting and Tracking	Set goals				<input type="checkbox"/>	<input type="checkbox"/>		
				Goal Setting and Tracking	Track progress	could have			<input type="checkbox"/>	<input type="checkbox"/>		
				Goal Setting and Tracking	Reminders / notification				<input type="checkbox"/>	<input type="checkbox"/>		

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Frontend Development	API test	As a **developer**, I want to **create frontend components** to **consume the API and display the data to users**	User should be able to: - [] display relevant data to users	- [] Design the frontend components including pages, forms and user interface elements - [] Integrate the frontend with the Django backend and API endpoints - [] Develop frontend views and templates to display data from the API - [] Implement user authentication and authorisation on the frontend - [] Write frontend components for various scenarios including data fetching, form submission and error handling - [] Ensure responsive design and cross-browser compatibility - [] Optimise frontend performance and load times			should have			<input type="checkbox"/>	<input type="checkbox"/>
	Data privacy and security	As a **developer**, I want to **ensure data privacy and security in the backend** to **ensure journal entries are secure**	- [] Implement secure communication protocols, such as HTTPS, to protect data transmission - [] Regularly update and patch backend dependencies and infrastructure - [] Generate personalised recommendations based on user journal entries to support personal growth and goal achievement	such as HTTPS to encrypt data transmitted between the client and the server - [] Implement logging mechanisms to record important events and activities for security - [] Implement mechanisms to ensure data integrity and accuracy in the analytics and insights generation process	Data Privacy and Security Personal Data Protection		could have			<input type="checkbox"/>	<input type="checkbox"/>
	Insights and recommendations	analytics and insights generation based on user journal entries** to ** generate insights and recommendations based on user journal		- [] Identify performance bottlenecks and areas for optimisation through profiling and monitoring tools - [] Optimise database queries and data access patterns to minimise response time and resource usage - [] Implement caching mechanisms to reduce the need for redundant computations or database accesses - [] Evaluate and optimise the performance of external API integrations and third-party services - [] Utilise asynchronous processing and background jobs for long-running or resource-intensive tasks - [] Implement horizontal scaling strategies, such as load balancing and auto-scaling, to distribute the workload across multiple servers - [] Optimise network communications and minimise data transfer between client and server - [] Implement performance monitoring and logging to track system performance and identify potential issues - [] Perform load testing to simulate high user loads and identify performance limitations - [] Implement fault tolerance mechanisms, such as retries and graceful degradation, to handle temporary failures or high loads - [] Regularly review and optimise the backend system architecture to ensure scalability and performance	Data Privacy and Security Third-party data sharing		could have			<input type="checkbox"/>	<input type="checkbox"/>
	Backend optimisation	As a **developer**, I want to **optimize backend performance and scalability** to **improve performance and scale accordingly to user base**	- [] Backend system should demonstrate improved performance in terms of response time and resource utilisation - [] The system should be able to handle increased user load without significant performance degradation - [] Performance optimisation should be measurable and validated through load testing and performance monitoring - [] The system should be designed to scale horizontally and vertically to accommodate future growth - [] Scalability improvements should be implemented without sacrificing data integrity or security - [] The backend system should be resilient and able to recover quickly from failures or high loads				could have			<input type="checkbox"/>	<input type="checkbox"/>
Deployment											
	Remote deployment	As a **developer**, I want to **deploy the Django app on Heroku (remote server)** to **enable remote access**	- [] The Django app is successfully deployed on Heroku - [] The deployed app is accessible remotely through a public URL - [] The app is configured with appropriate settings for production deployment - [] The deployment process is documented and reproducible - [] The deployed app is secure and protected from unauthorised access - [] Appropriate environment variables and configurations are set for the Heroku deployment	- [] Set up a Heroku account and create a new app - [] Install and configure the necessary Heroku CLI tools - [] Prepare the Django app for deployment by ensuring all dependencies are included and configurations are set for production - [] Create a 'Procfile' to define the command used to run the app on Heroku - [] Set up a PostgreSQL database on Heroku and configure Django app to use it - [] Configure static file serving and media file storage on Heroku - [] Set up environment variables for sensitive information (i.e. database credentials, API keys) using Heroku's configuration configuration mechanisms - [] Test the deployment locally using the Heroku CLI and make any necessary adjustments - [] Commit the changes to the code repository and push to the Heroku remote repository - [] Monitor the deployment process and ensure it complete successfully - [] Verify that the deployed app is accessible remotely through the provided Heroku URL - [] Test the deployed app thoroughly to ensure it functions correctly in the production environment - [] Document the deployment process and configurations for future reference			must have			<input type="checkbox"/>	<input type="checkbox"/>