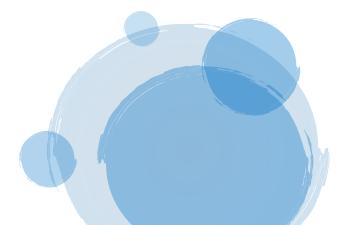


Use Case Inventory Consolidated With EDR And Data Model





Scenario:

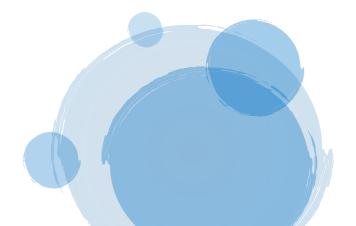
1. User launches the app.

2. User clicks on the "Sign Up" button.

3. User fills in their information, including a unique username, password, and email address.

4. User submits the form to create a new account.

Field Name	Data Type	Description	
UserID	UUID	A unique identifier for each user. Could be an auto-incrementing integer or a universally unique identifier (UUID).	
Username	String	The chosen username of the user. It should be unique across the system.	
Email	String	The email address of the user. This should also be unique across the system as it can be used for communication and potentially recovering the account.	
PasswordHash	String	A securely hashed representation of the user's password. Storing the hash, rather than the password itself, is a standard security practice.	
DateRegistered	DateTime	The date and time when the user registered. This would typically be automatically generated when the account is created.	
LastLogin	DateTime	The date and time of the user's most recent login. This would typically be updated each time the user logs in to the system.	

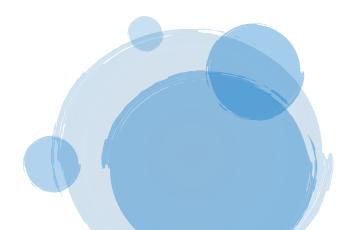




USER			
uuid	UserID		
string	Username		
string	Email		
string	PasswordHash		
datetime	DateRegistered		
datetime	LastLogin		
creates			
TASK			
uuid	TaskID		
string	Title		
string	Description		
datetime	DueDate		
datetime	CreatedDate		
boolean	IsCompleted		

BreakDuration

int





Primary Actor: Returning User

Scenario:

1. User opens the app.

2. User enters their username and password in the login fields.

3. User clicks the "Sign In" button to access the app.

User

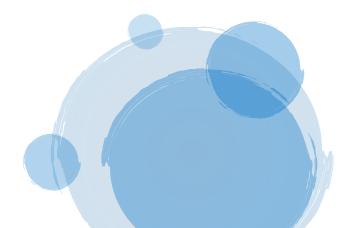
// /	Data		
Field Name	Туре	Description	
UserID	UUID	A unique identifier for each user. Could be an auto-incrementing integer or a universally unique identifier (UUID).	
Username	String	The chosen username of the user. It should be unique across the system.	
Email	String	The email address of the user. This should also be unique across the system as it can be used for communication and potentially recovering the account.	
PasswordHash	String	A securely hashed representation of the user's password. Storing the hash, rather than the password itself, is a standard security practice.	
LastLogin	DateTime	The date and time of the user's most recent login. This would typically be updated each time the user logs in to the system.	

LoginAttempt

Field Name	Data Type	Description	
LoginAttemptID	UUID	A unique identifier for each login attempt. Could be an auto-incrementing integer or a UUID.	
UserID	UUID	The identifier of the user attempting to log in. This links the login attempt to the specific user in the User table.	
AttemptTime	DateTime	The date and time of the login attempt.	
IsSuccessful	Boolean	A flag indicating whether the login attempt was successful.	
IPAddress	String	The IP address from which the login attempt was made. Useful for tracking and security purposes.	



	USER			
uuid	UserID			
string	Username			
string	Email			
string	PasswordHash			
datetime	LastLogin			
attempts				
LOGINATTEMPT				
uuid LoginAttemptID				
datetime	AttemptTime			
boolean	IsSuccessful			
string	IPAddress			



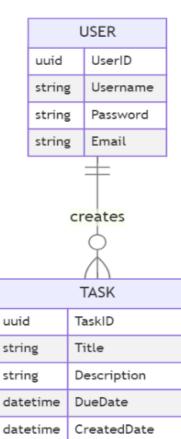


Scenario:

- 1. User clicks on the "+" button on the home screen.
- 2. User fills in the details of the task, including title, description, date, and time.
- 3. User sets the timer for the task and the break duration.
- 4. User clicks "Done" to save the task.

Field Name	Data Type	Description
TaskID	UUID	A unique identifier for each task. Could be an auto-incrementing integer or a universally unique identifier (UUID).
UserID	UUID	A reference to the User who created the task. Links each task to a specific user.
Title	String	The title or name of the task. A brief summary of what the task involves.
Description	String	A more detailed explanation of what the task involves. This field may be optional, depending on user preference.
DueDate	DateTime	The date and time when the task is due to be completed. This is set by the user when creating the task.
CreatedDate	DateTime	The date and time when the task was created. This would typically be automatically generated when the task is created.
IsCompleted	Boolean	A flag indicating whether the task has been completed. Initially set to false and updated to true once the task is marked as completed.
PomodoroDuration	Integer	The duration of the Pomodoro timer for the task, represented in minutes.
BreakDuration	Integer	The duration of the break timer after each Pomodoro cycle, also represented in minutes.





IsCompleted

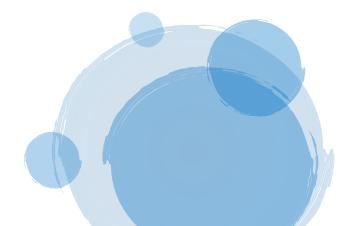
BreakDuration

PomodoroDuration

boolean

int

int



Use Case 4: Managing Tasks

Primary Actor: User

Scenario:

1. User clicks on a task from the task list on the home screen.

2. User can edit the details of the task, start, pause, or reset the timer, and mark the task as completed.

User

Field Name	Data Type	Description
UserID	UUID	A unique identifier for each user.

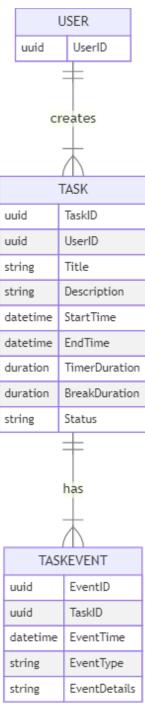
Task

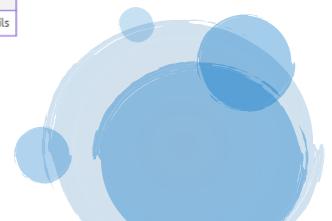
	/ / . /		
Field Name	Data Type	Description	
TaskID	UUID	A unique identifier for each task.	
UserID	UUID	The identifier of the user to whom the task belongs.	
Title	String	The title or brief description of the task.	
Description	String	A more detailed description of the task.	
StartTime	DateTime	The date and time when the task should start.	
EndTime	DateTime	The date and time when the task should end.	
TimerDuration	Duration	The time duration for the timer attached to the task.	
BreakDuration	Duration	The time duration for the break after the timer ends.	
Status	String	The current status of the task. This could be a value like 'Not Started', 'In Progress', 'Completed', or 'Cancelled'.	

TaskEvent

Field Name	Data Type	Description	
EventID	UUID	A unique identifier for each task event.	
TaskID	UUID	The identifier of the task that the event is related to.	
EventTime	DateTime	The time at which the event occurred.	
EventType	String	The type of event. This could be 'Task Created', 'Task Started', 'Task Completed', etc.	
EventDetails	String	Additional information about the event.	









Primary Actor: User

Scenario:

- 1. User clicks on the hamburger icon on the top left of the home screen.
- 2. User selects "Settings".
- 3. User can view and edit their profile information, opt in/out of the global leaderboard, and manage notification settings.

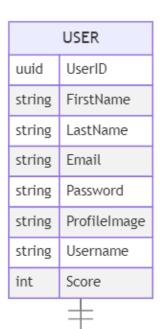
User

Field Name	Data Type	Description
UserID	UUID	A unique identifier for each user.
FirstName	String	The first name of the user.
LastName	String	The last name of the user.
Email	String	The email address of the user.
Password	String	The hashed password for the user account.
ProfileImage	String	A link to the user's profile image.
Username	String	The username chosen by the user.
Score	Integer	The total score accumulated by the user.

Achievements

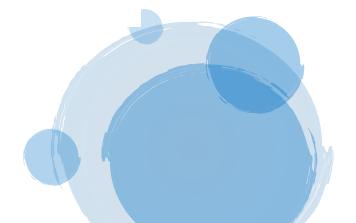
Field Name	Data Type	Description
AchievementID	UUID	A unique identifier for each achievement.
UserID	UUID	A reference to the user who earned the achievement.
AchievementName	String	The name of the achievement.
AchievementDescription	String	A description of what the achievement represents.
DateEarned	DateTime	The date when the achievement was earned.





ACHIEVEMENT		
uuid	AchievementID	
uuid	UserID	
string	AchievementName	
string	AchievementDescription	
datetime	DateEarned	

has-earned





Use Case 6: Accessing Help

Primary Actor: User

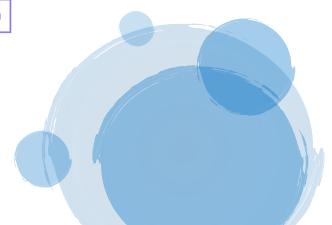
Scenario:

- 1. User clicks on the hamburger icon on the top left of the home screen.
- 2. User selects "Help".
- 3. User accesses guides and troubleshooting steps to assist in using the app.

HelpTopic

Field Name	Data Type	Description
TopicID	UUID	A unique identifier for each help topic.
Title	String	The title of the help topic.
Description	String	A detailed description or explanation of the help topic.

HELPTOPIC		
uuid	TopicID	
string	Title	
string	Description	





Use Case 7: Handling Notifications

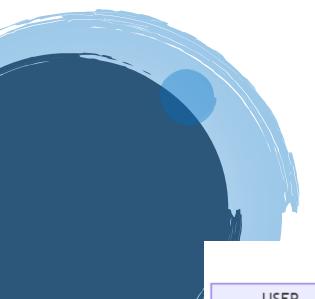
Primary Actor: User

Scenario:

- 1. User receives a notification when the timer is near completion or has ended.
- 2. User can adjust notification settings under "Settings".

Field Name	Data Type	Description
NotificationID	UUID	A unique identifier for each notification.
UserID	UUID	Identifier of the user to whom the notification is sent.
TaskID	UUID	Identifier of the task related to the notification. This could be null if the notification is not related to a specific task.
Туре	Enum	The type of the notification. This could be an enumeration of different types such as "TaskReminder", "BreakReminder", "Achievement", etc.
Message	String	The message to display in the notification.
Timestamp	DateTime	The time when the notification should be sent.
Status	Enum	The status of the notification. This could be an enumeration of statuses such as "Sent", "Unsent", "Acknowledged", etc.





USER		
uuid	UserID	
string	Username	
string	Password	
string	Email	

sends

TASK		
uuid	TaskID	
uuid	UserID	
string	Title	
string	Description	
datetime	StartTime	
datetime	EndTime	
+		

relates_to

NOTIFICATION

uuid	NotificationID
uuid	UserID
uuid	TaskID
enum	Туре
string	Message
datetime	Timestamp
enum	Status



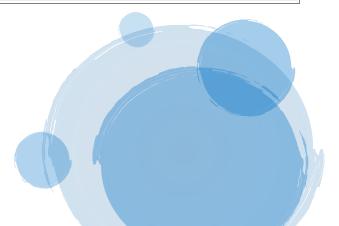
Use Case 8: Deleting a Task

Primary Actor: User

Scenario:

- 1. User selects a task from the task list on the home screen.
- 2. User clicks on the 'trash' icon next to the task to delete it.
- 3. User confirms the deletion in the prompt.
- 4. These use cases detail the different ways a user can interact with the application, from setting up an account, to creating and managing tasks, to handling notifications.

1. Field Name	Data Type	Description
TaskID	UUID	A unique identifier for each task.
UserID	UUID	The unique identifier of the user who created the task.
Title	String	The title of the task.
Description	String	The description of the task.
StartTime	DateTime	The start time of the task.
EndTime	DateTime	The end time of the task.
Timer	TimeSpan	The duration of the task's timer.
BreakTime	TimeSpan	The duration of the task's break time.
Status	Enum	The current status of the task. This could be an enumeration of different statuses such as "Pending", "Ongoing", "Completed", "Cancelled", etc.





USER		
uuid	UserID	
string	Username	
string	Password	
string	Email	

creates

TASK		
uuid	TaskID	
uuid	UserID	
string	Title	
string	Description	
datetime	StartTime	
datetime	EndTime	
timespan	Timer	
timespan	BreakTime	
enum	Status	