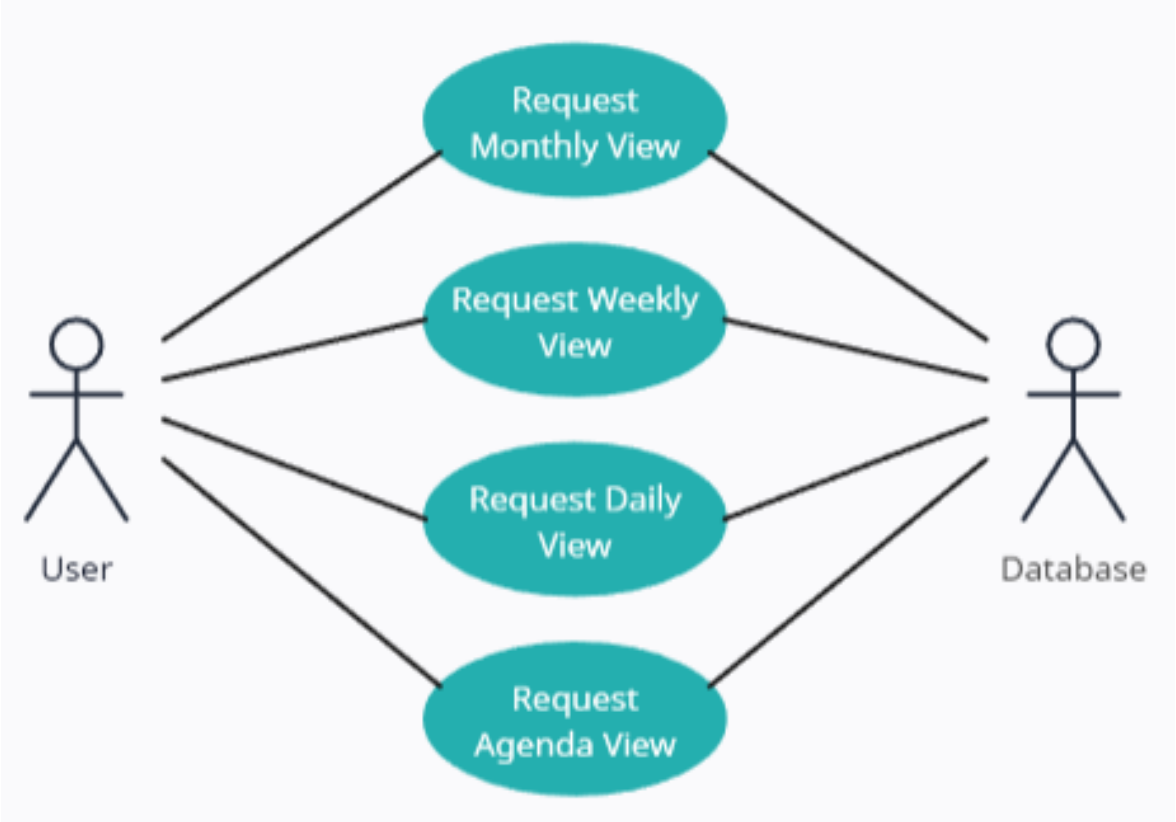
View Operations Use Case Diagram



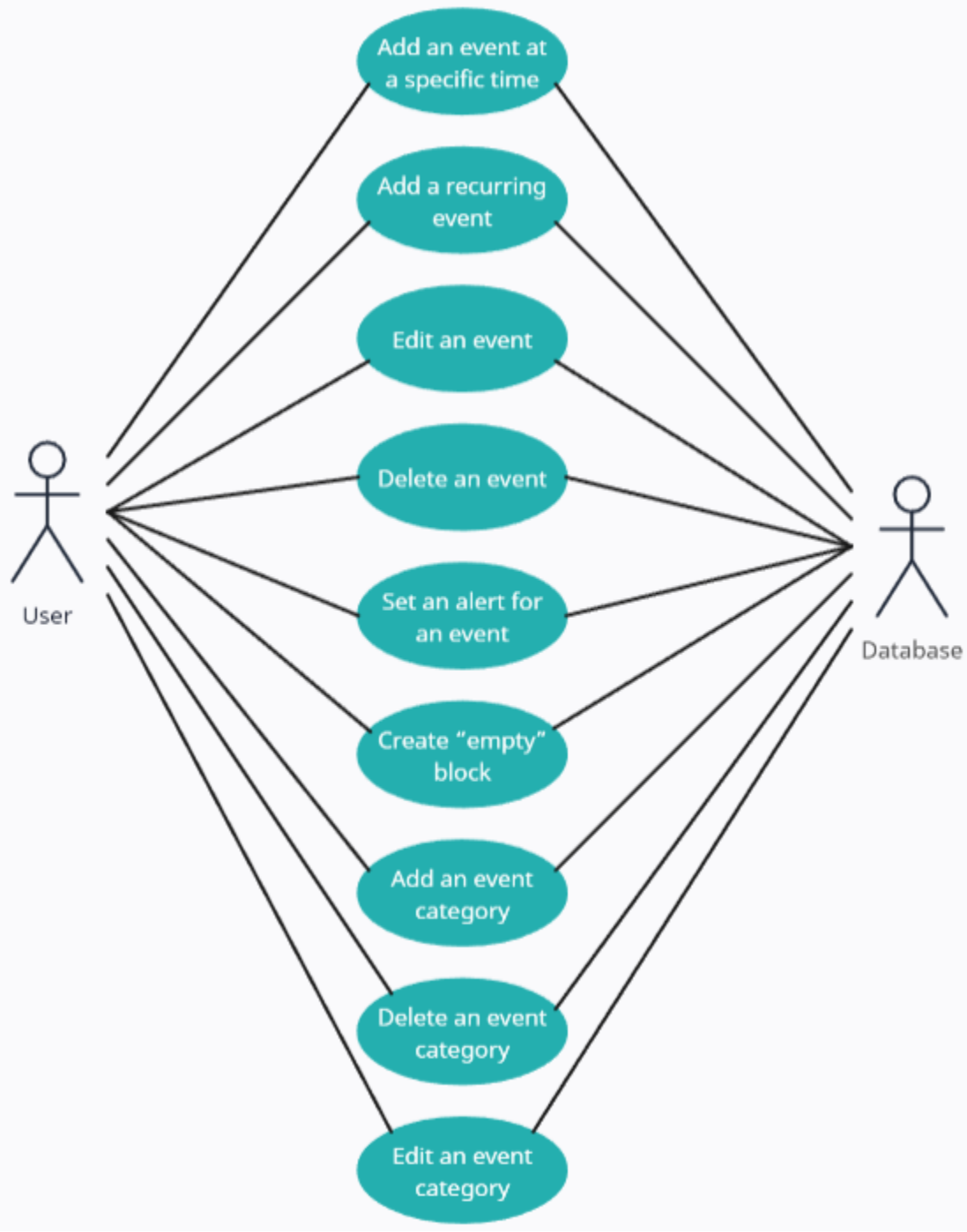
Views: Request Monthly View	
Actors	User, Database
Description	This view shows all the days in the month, with a snippet of the events scheduled for each day.
Data	Events on each day of the month.
Stimulus	Monthly view selected by User.
Response	Monthly view displayed on screen.
Comments	

Views: Request Weekly View	
Actors	User, Database
Description	This view shows all the days in the week, with a snippet of the events scheduled for each day.
Data	Events on each day of the week.
Stimulus	Weekly view selected by User.
Response	Weekly view displayed on screen.
Comments	

Views: Request Daily View	
Actors	User, Database
Description	This view shows all the events scheduled in a day, sorted by starting time.
Data	Events on the day, their starting times.
Stimulus	Daily view selected by User.
Response	Daily view displayed on screen.
Comments	

Views: Request Agenda View	
Actors	User, Database
Description	This view shows all future events, sorted in chronological order.
Data	All future events, their starting dates and times.
Stimulus	Agenda view selected by User.
Response	Agenda view displayed on screen.
Comments	

Event Operations Use Case Diagram



Events: Add event at specific time	
Actors	User, Database
Description	Adds an event to the user's calendar with a start and end time.
Data	Information about the event (including start time and end time), list of events on the same day and their start and end times.
Stimulus	User issues command.
Response	Confirmation that the event was added or an error message.
Comments	Function checks if there are any time conflicts with the new event and returns an error message if so, otherwise operation succeeds.

Events: Add recurring event	
Actors	User, Database
Description	Adds an event to the user's calendar that occurs multiple times.
Data	Information about the event (including start time and end time), list of events on the same day(s) and their start and end times, when/how often the event recurs.
Stimulus	User issues command.
Response	Confirmation that the event was added or an error message.
Comments	Function checks if there are any time conflicts with the new event and returns an error message if so, otherwise operation succeeds.

Events: Edit an event	
Actors	User, Database
Description	Changes information about an existing event in the user's calendar.
Data	Event to be edited, field(s) to be edited, new values for those fields.
Stimulus	User issues command.
Response	Confirmation that the edits were made or an error message.
Comments	If the user changed the start or end time of the event, a function checks for conflicts and responds appropriately.

Events: Delete an event	
Actors	User, Database
Description	Removes an event from the user's calendar.
Data	The event to be removed.
Stimulus	User issues command.
Response	Confirmation that the event was deleted.
Comments	

Events: Set an alert for an event	
Actors	User, Database
Description	Sets an alert that will notify the user about an event at the specified time.
Data	Event to notify about, timing and type of alert.
Stimulus	User issues command.
Response	Confirmation that the alert has been set.
Comments	

Events: Create "empty" block	
Actors	User, Database
Description	Adds a block to the user's calendar where nothing can be scheduled.
Data	Start time, end time.
Stimulus	User issues command.
Response	Confirmation that the block was added or an error message.
Comments	Function checks if there are already events scheduled in time period and returns an error message if so, otherwise operation succeeds.

Events: Add an event category	
Actors	User, Database
Description	Add a category into which events may be sorted.
Data	Name, color, events to include.
Stimulus	User issues command.
Response	Confirmation that the category was created.
Comments	

Events: Delete an event category	
Actors	User, Database
Description	Removes a category and sets the events it contained to have no category.
Data	Category to remove.
Stimulus	User issues command.
Response	Confirmation that the category was deleted.
Comments	

Events: Edit an event category	
Actors	User, Database
Description	Changes information regarding a category. Used for changing name, color, or adding/removing events from the category.
Data	Category to change, field(s) to change, new values for those fields.
Stimulus	User issues command.
Response	Confirmation that the edit was made.
Comments	