Algae Estimator for iOS Use Case
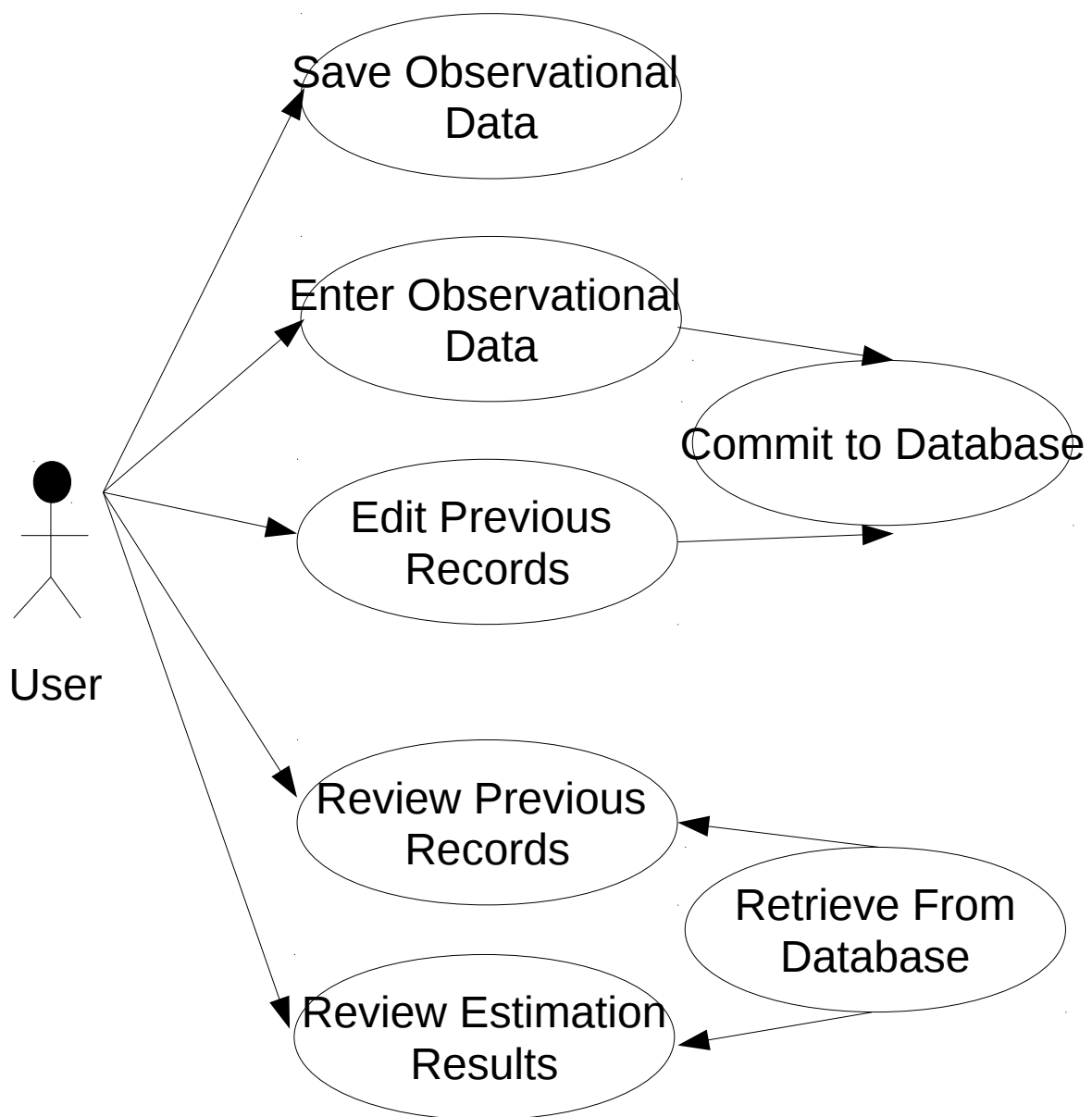
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Use Case Name	Create a new Record
Related Requirements	A.1, A.2, A.3, A.5
Goal In Context	Enter measured environmental information into the application and save this data into the database.
Preconditions	The user is prepared to enter environmental measurements into the application.
Successful End Condition	The environmental data is saved to the local database.
Failed End Condition	If required fields are not populated: A warning will appear to the user telling them which fields must still be populated. If values entered will not produce algae blooms: A warning will appear telling the user that the value they have entered will not produce an algae bloom. If the values entered do not meet the required conditions, an error message will appear (such as bottom temp greater than surface temp). In either case, the record will not be saved to the database.
Primary Actors	User
Trigger	User has pressed the "Submit" button on the data entry page.
Flow	1. The user fills out all proper form fields in the application's data entry page. 2. The user presses "Submit" at the bottom of the page in order to save the information of the page. 3. The data entered by the user is saved to the database. 4. The app transitions to a page where the results of the data entered can be reviewed.

Use Case Name	Review All Saved Records
Related Requirements	A.5
Goal In Context	Allows the user to see an organized list of all the records that have been saved into the application.
Preconditions	At least one record has been saved to the application.
Successful End Condition	An organized list of records is displayed to the user.
Failed End Condition	If no records have been saved to the application, then no records will be displayed.
Primary Actors	User
Trigger	The User selects the "Logs" tab from the main/data entry page.
Flow	1. The user selects the "Logs" tab from the data entry page of the application. 2. A list of records, organized by date, appears to the user. 3. The user may select a record by tapping it in order to review it.