

Database Layer

- SQLite
 - Bird Table
 - Experiment Table
 - Medical History Table

Business Logic Layer

Create a new object and add its parameters into the appropriate database table

Return the specific instance of Bird, Experiment, or Medical History Event based on user parameters, and notify user if such an object does not exist

Return the all instances of Bird, Experiment, or Medical History Event based on user parameters, and notify user if such an object does not exist

Remove specific Bird, Experiment, or Medical History Event based on user parameters

Generate and display to the user scrollable, clickable lists of all Birds, Experiments, or Medical Histories

Presentation Layer

Add a new Bird, Experiment, or Medical History Event

Search for a specific Bird, Experiment, or Medical History Event

Search based on general characteristics of Birds, Experiments, or Medical History Events

Remove a Bird, Experiment, or Medical History Event

View list of Birds, Experiments, or Medical Histories

Domain Objects

Bird:

- id
- Name
- experiment
- birthDate
- deathDate
- sex

Experiment:

- studyTitle
- studyType
- groupWithinExperiment
- startDate
- endDate
- experimenters
- notes

Medical History:

- dateOfReport
- healthIssue
- treatment
- notes