

eLab Application

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Agenda

Topics Covered

1

Analysis (Use Case Diagram)

2

Design (Architecture, User Interface, Database)

3

Implementation & Unit Test

Analysis (Use Case Diagram)

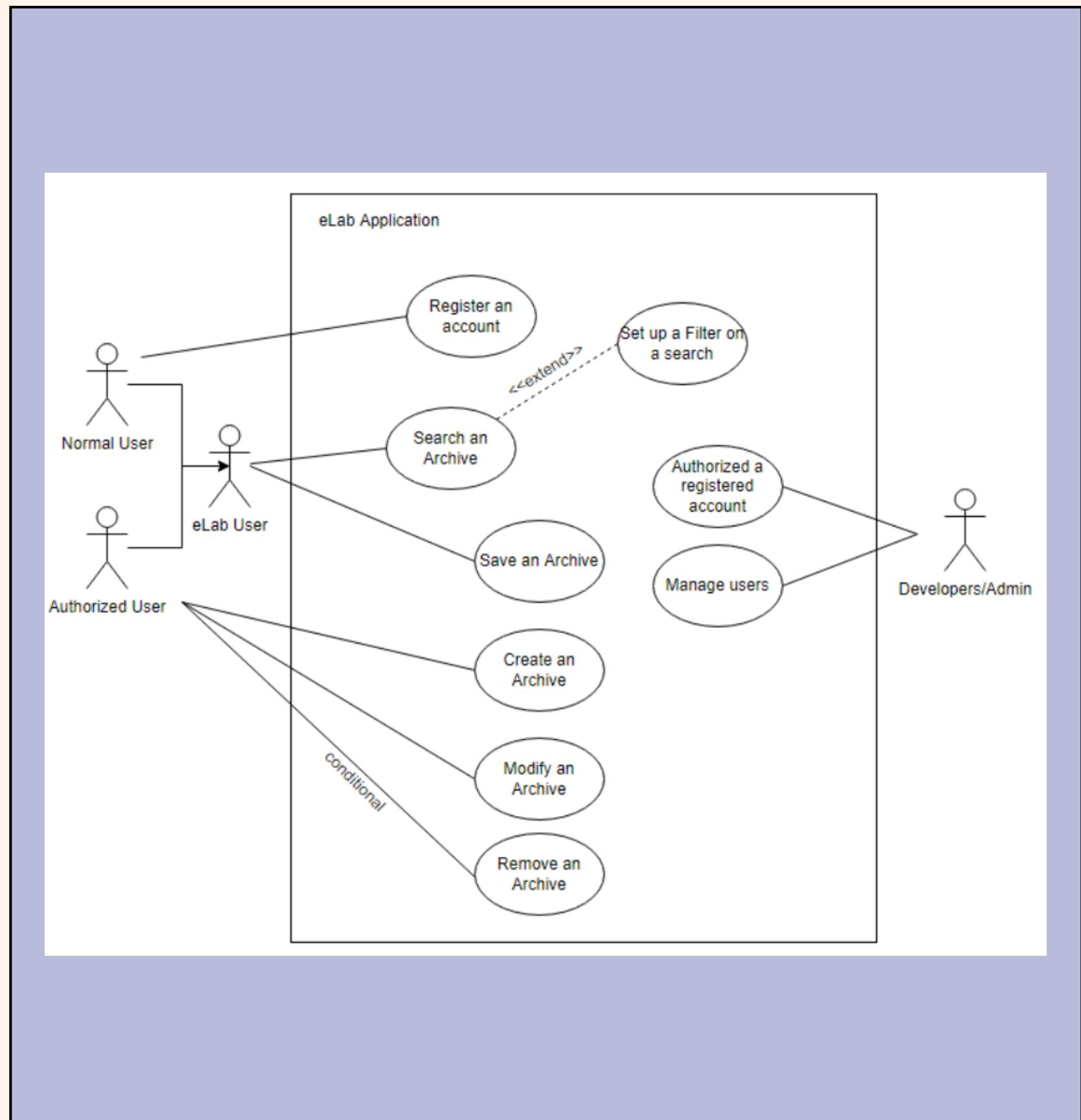
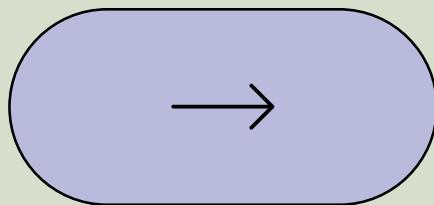
[Go Back to Agenda Page](#)

eLab

eLab is an application-based method of archiving documentations of Telkom University laboratories. Its main purpose is to allow users, in this case the students at Telkom University to find, recap, or upload documentations of previous and upcoming projects or achievement of a lab in Telkom University with ease in the form of Instagram-like posts that can be filtered.

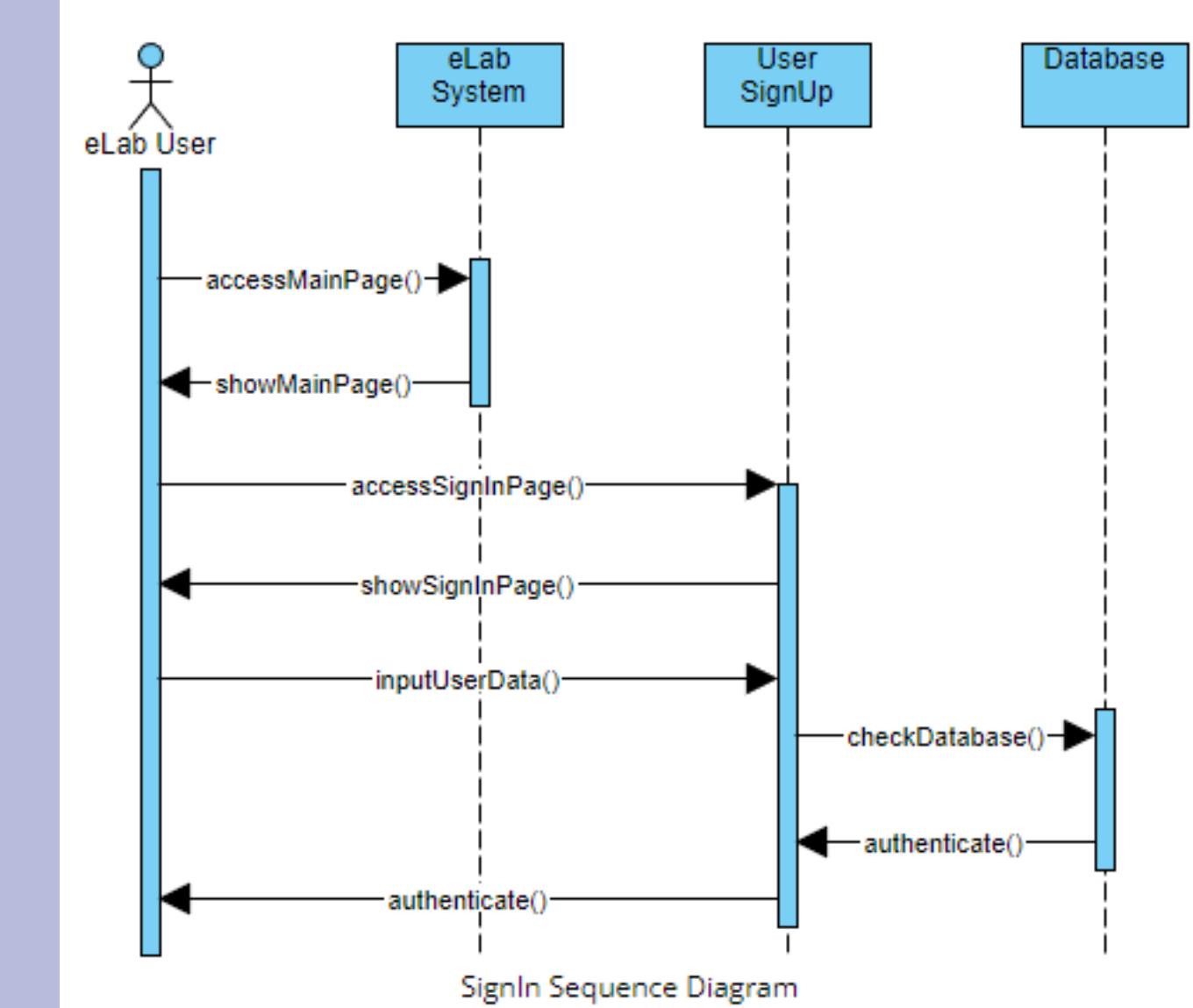
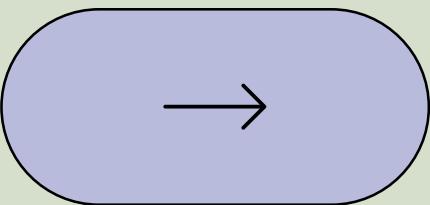
Product Functionality

Use Case Diagram



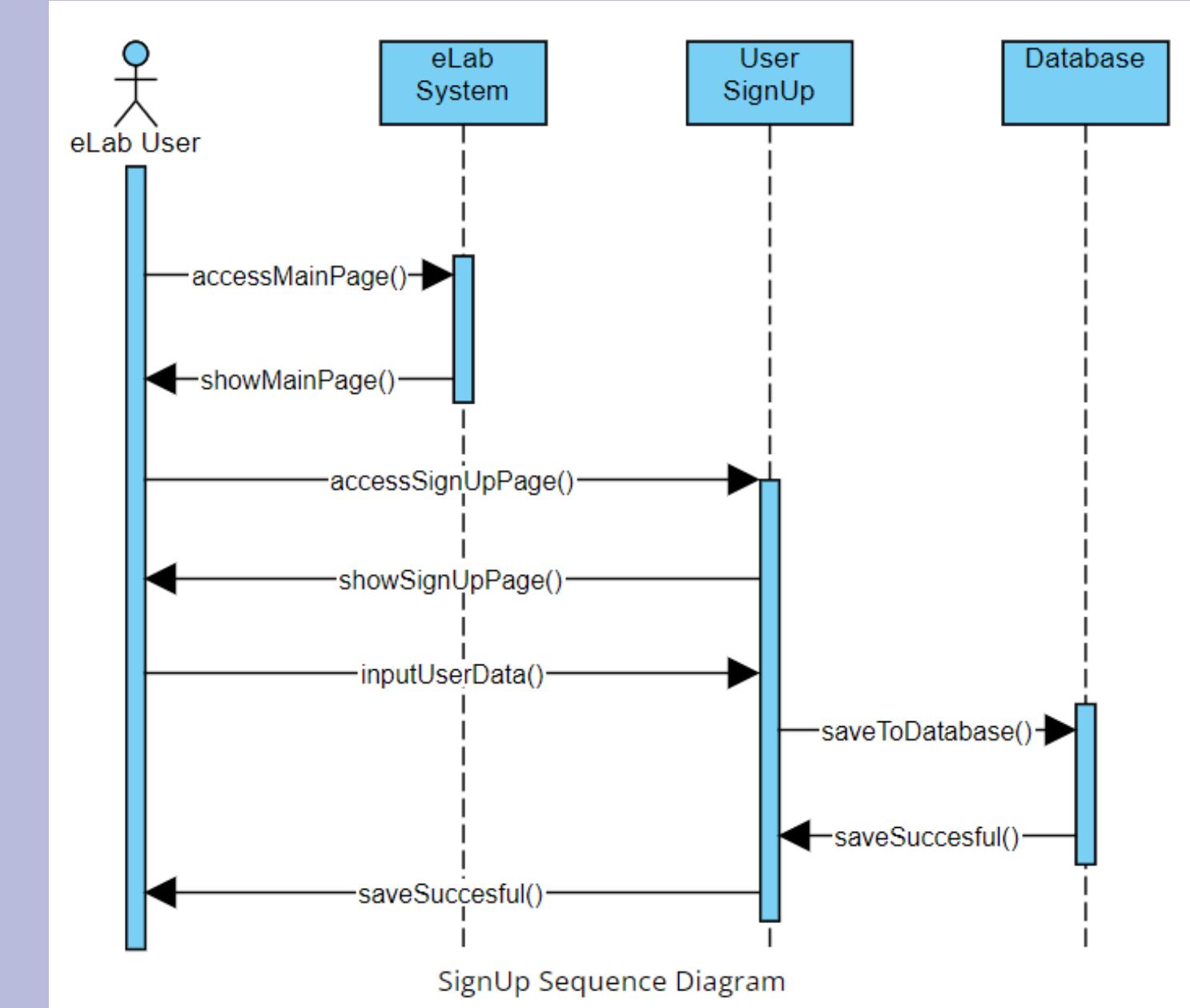
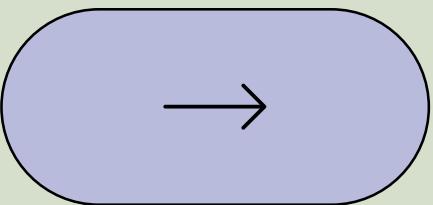
Sign in to an Account

Use Case Diagram



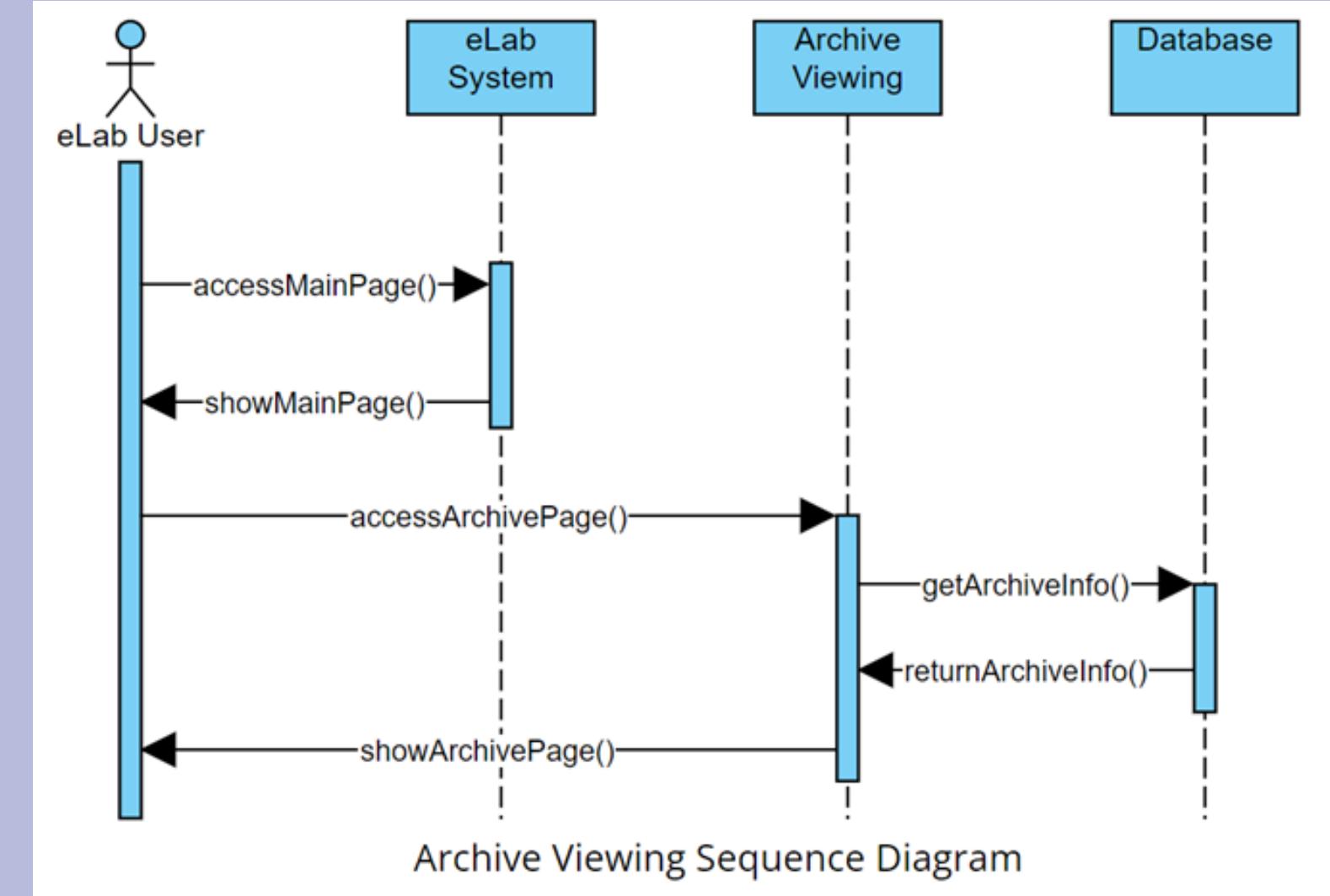
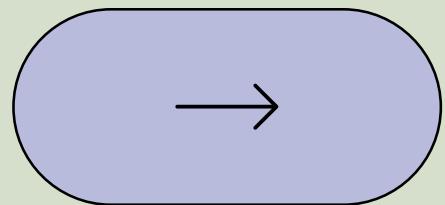
Register an Account

Use Case Diagram



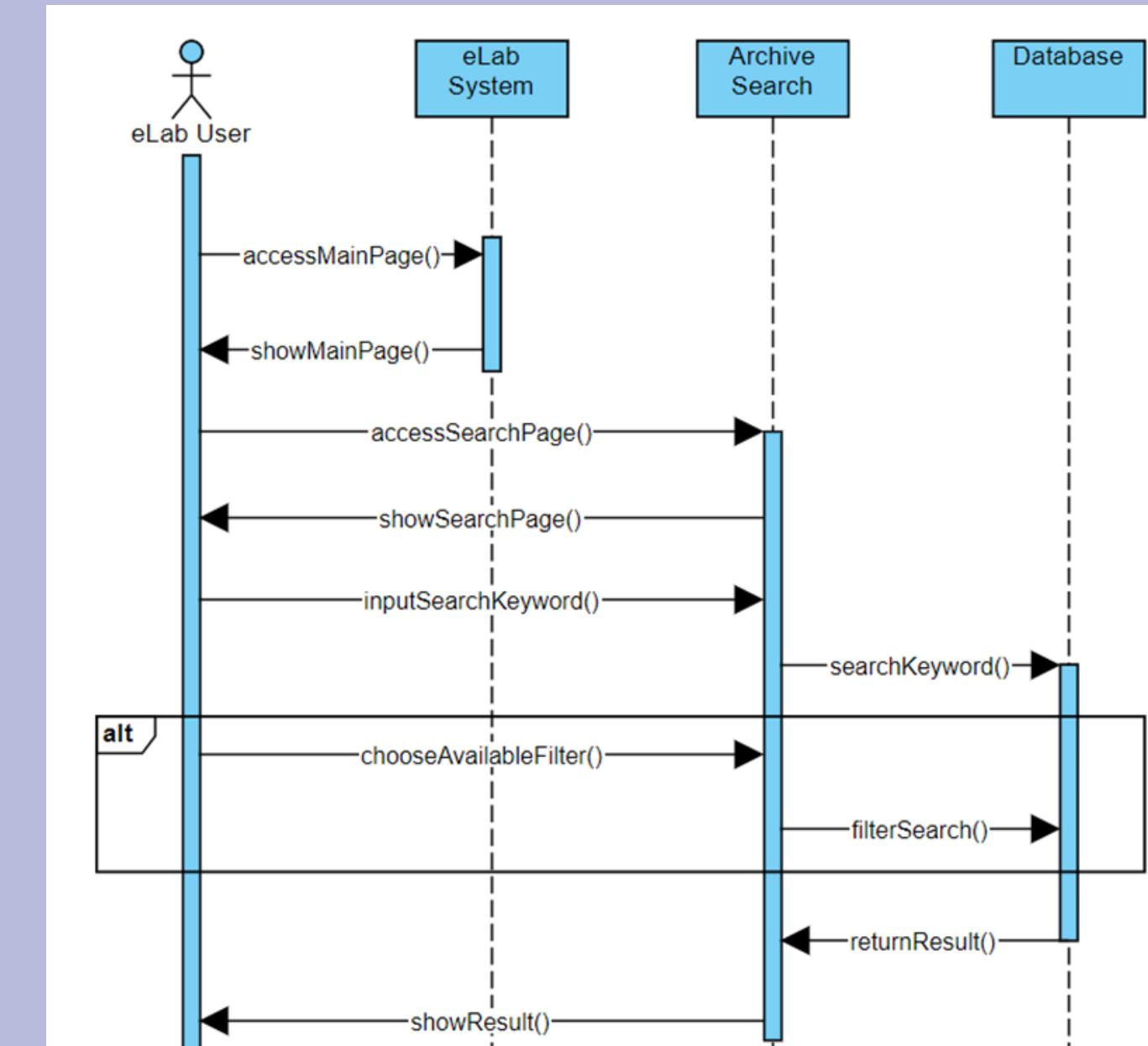
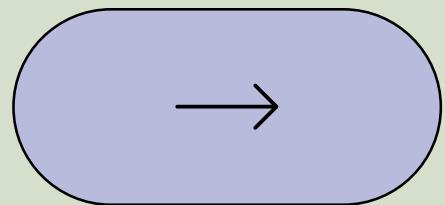
View an Archive

Use Case Diagram



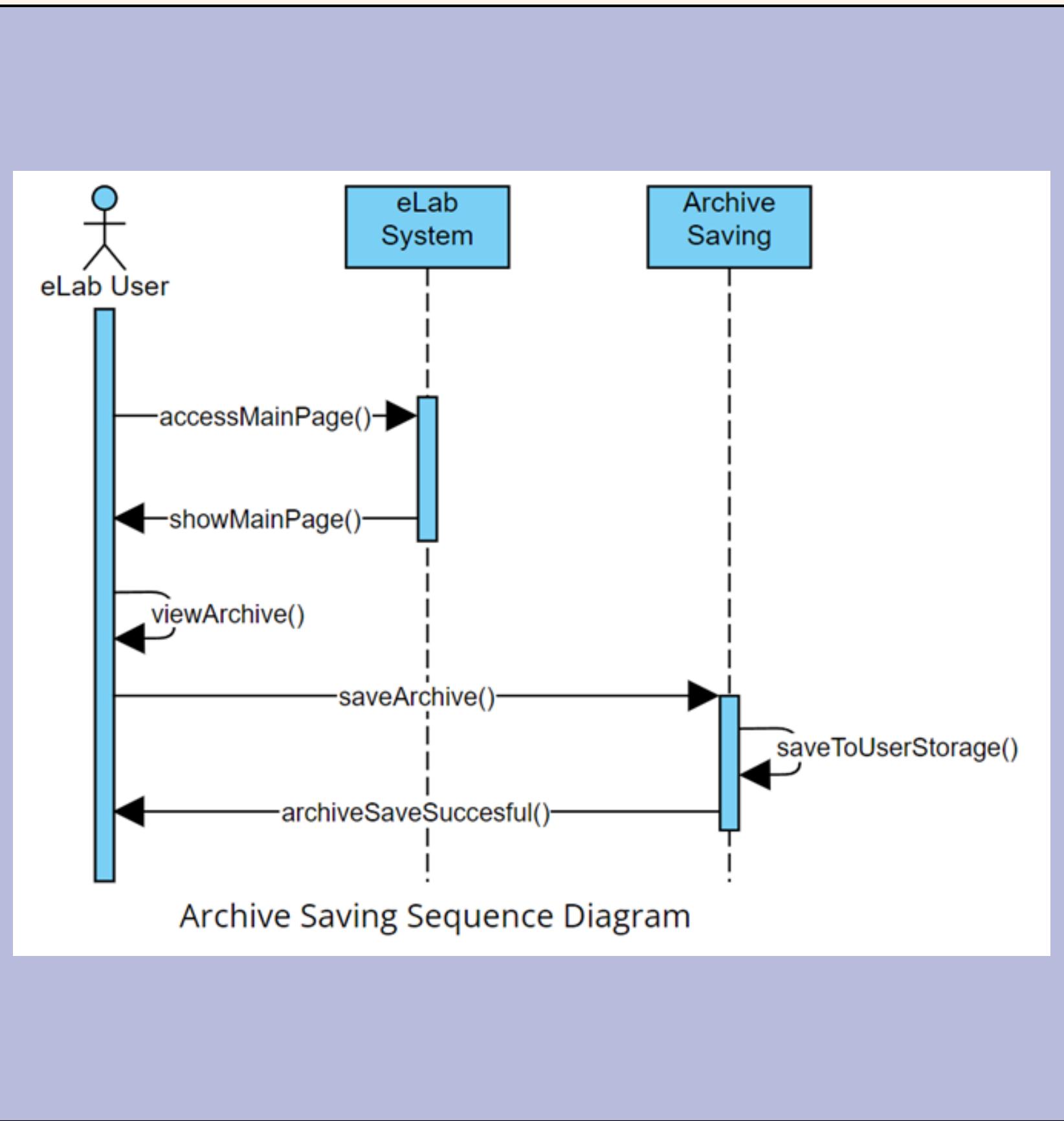
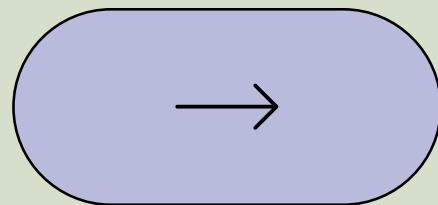
Search an Archive

Use Case Diagram



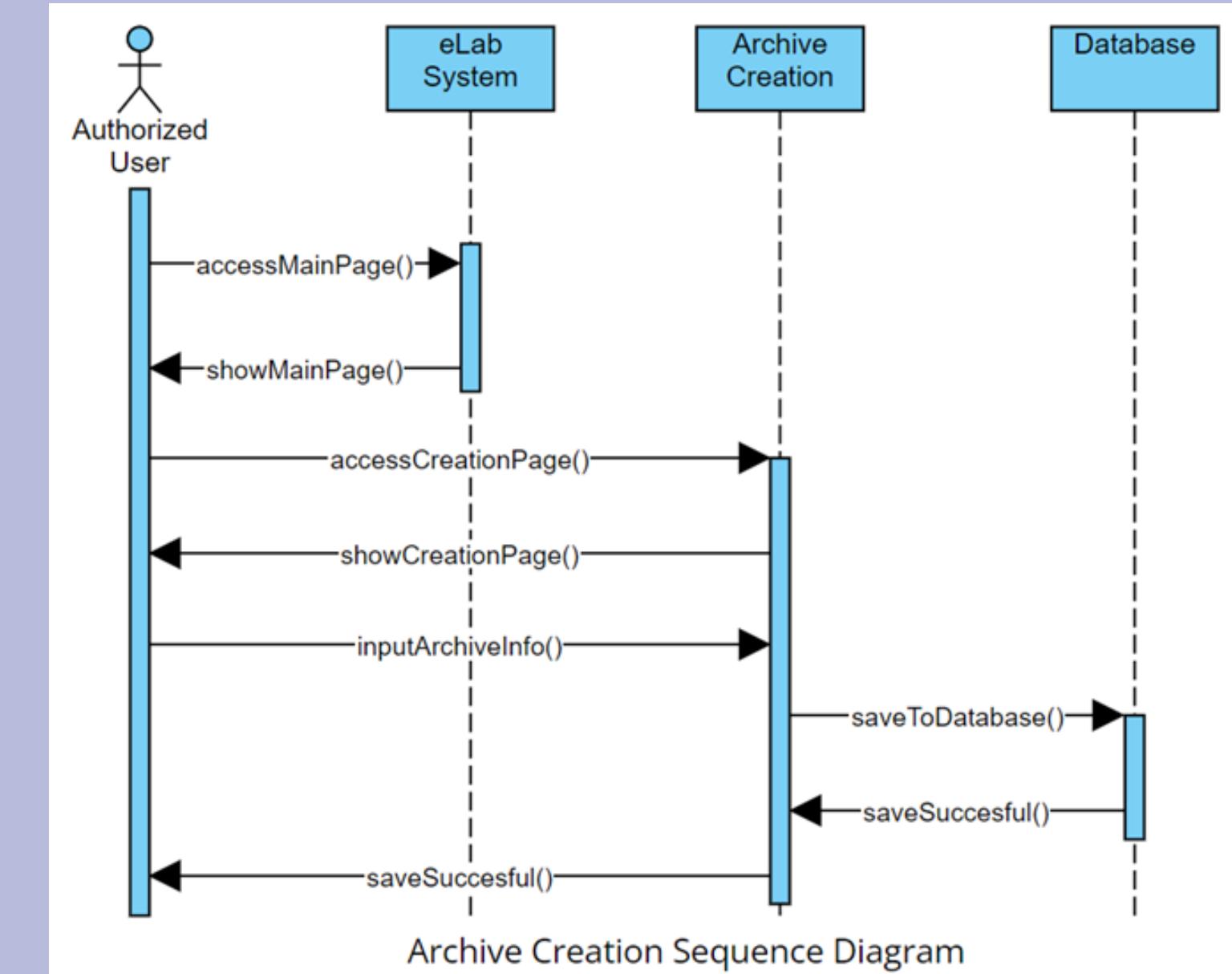
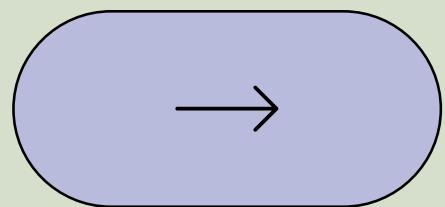
Save an Archive

Use Case Diagram



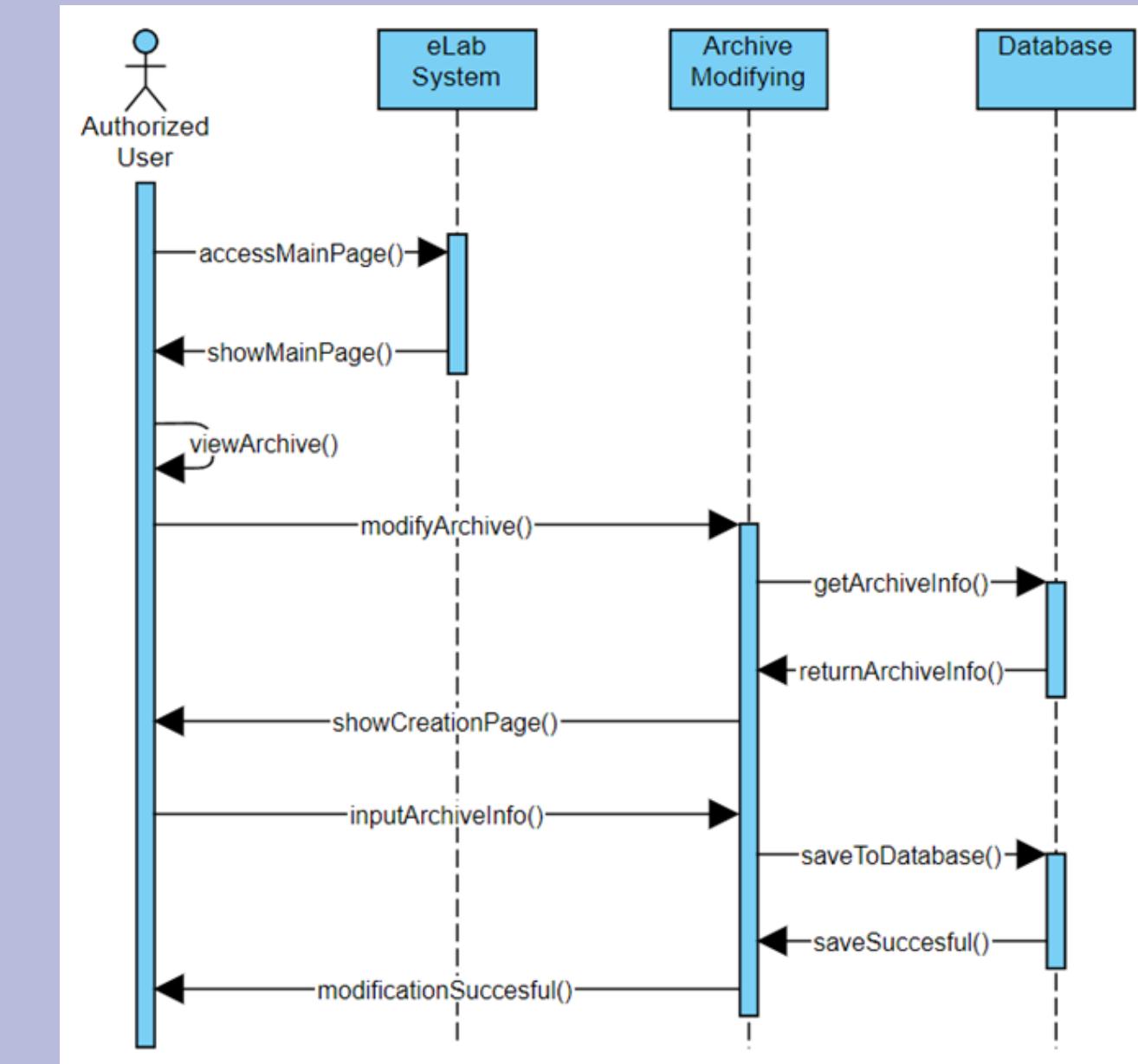
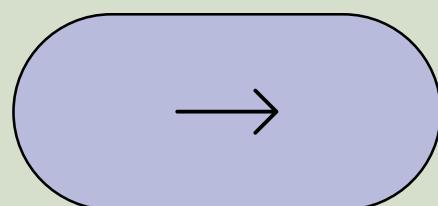
Create an Archive

Use Case Diagram



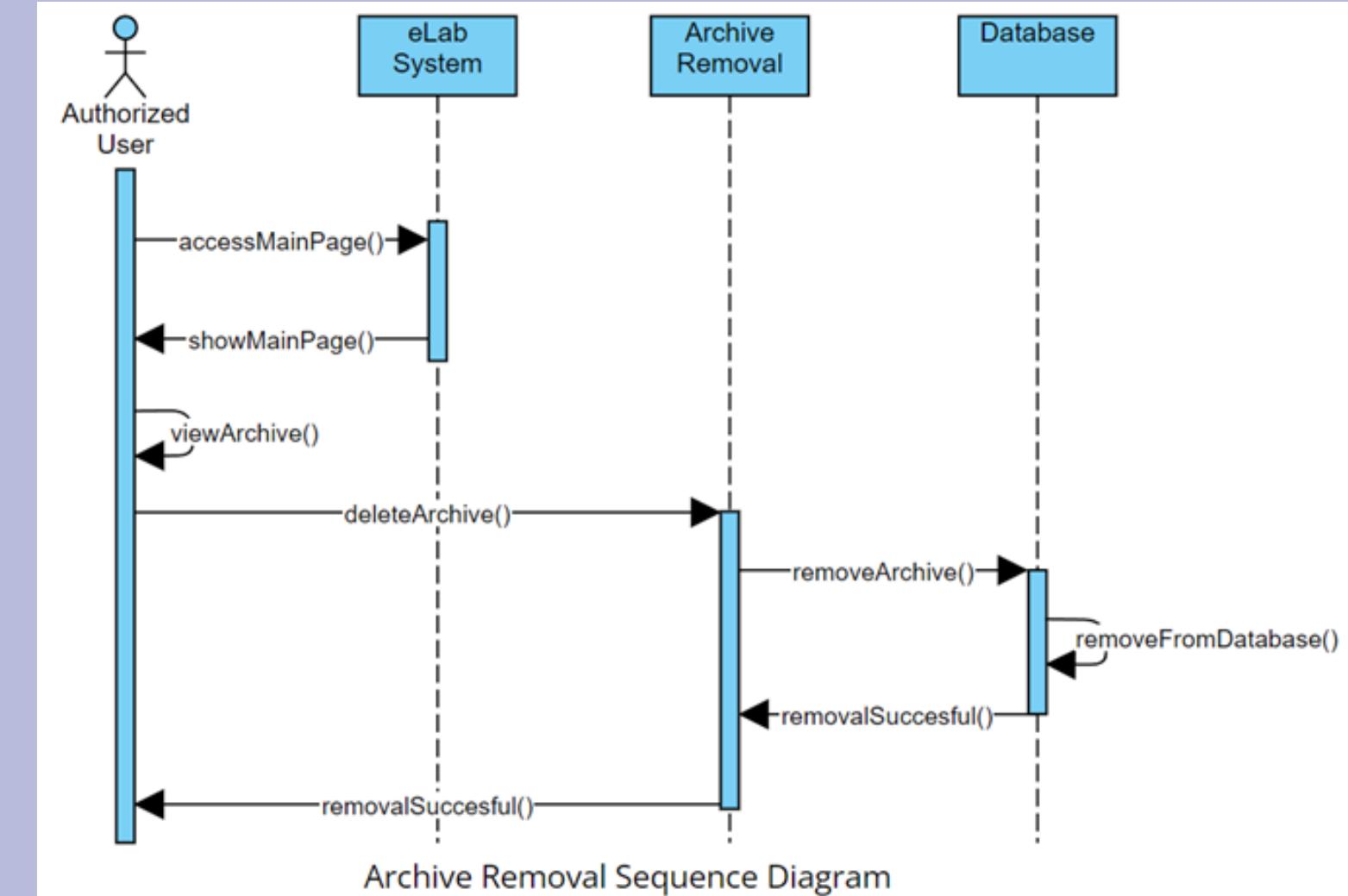
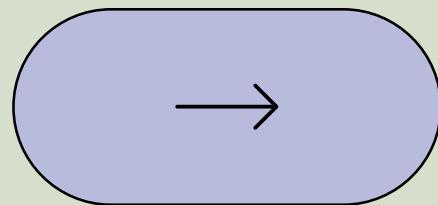
Modify an Archive

Use Case Diagram



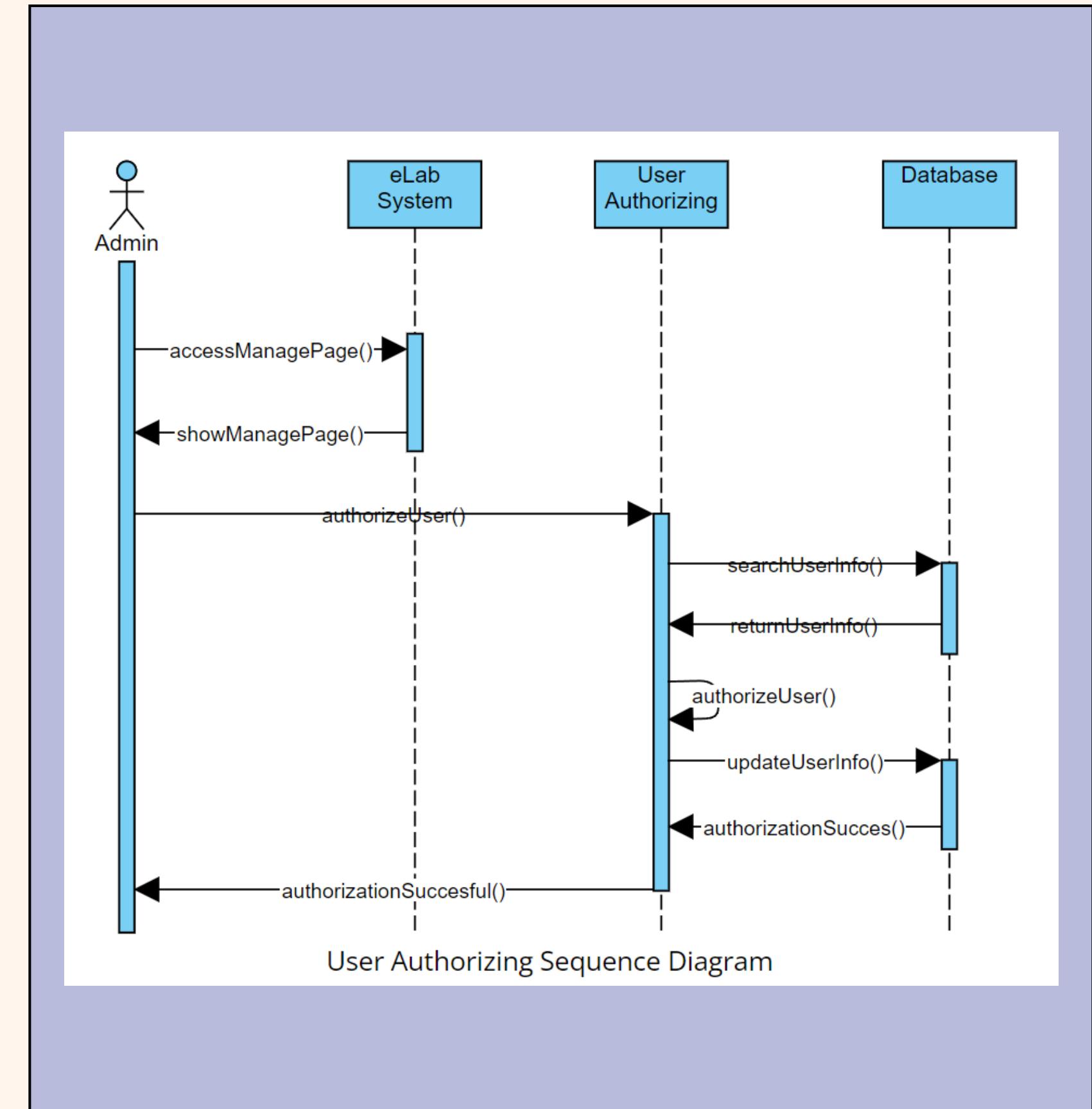
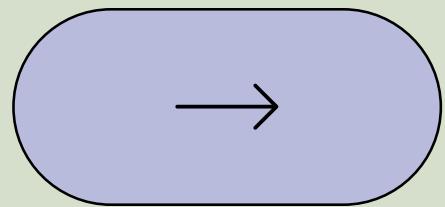
Remove an Archive

Use Case Diagram



Authorize a Registered Account

Use Case Diagram



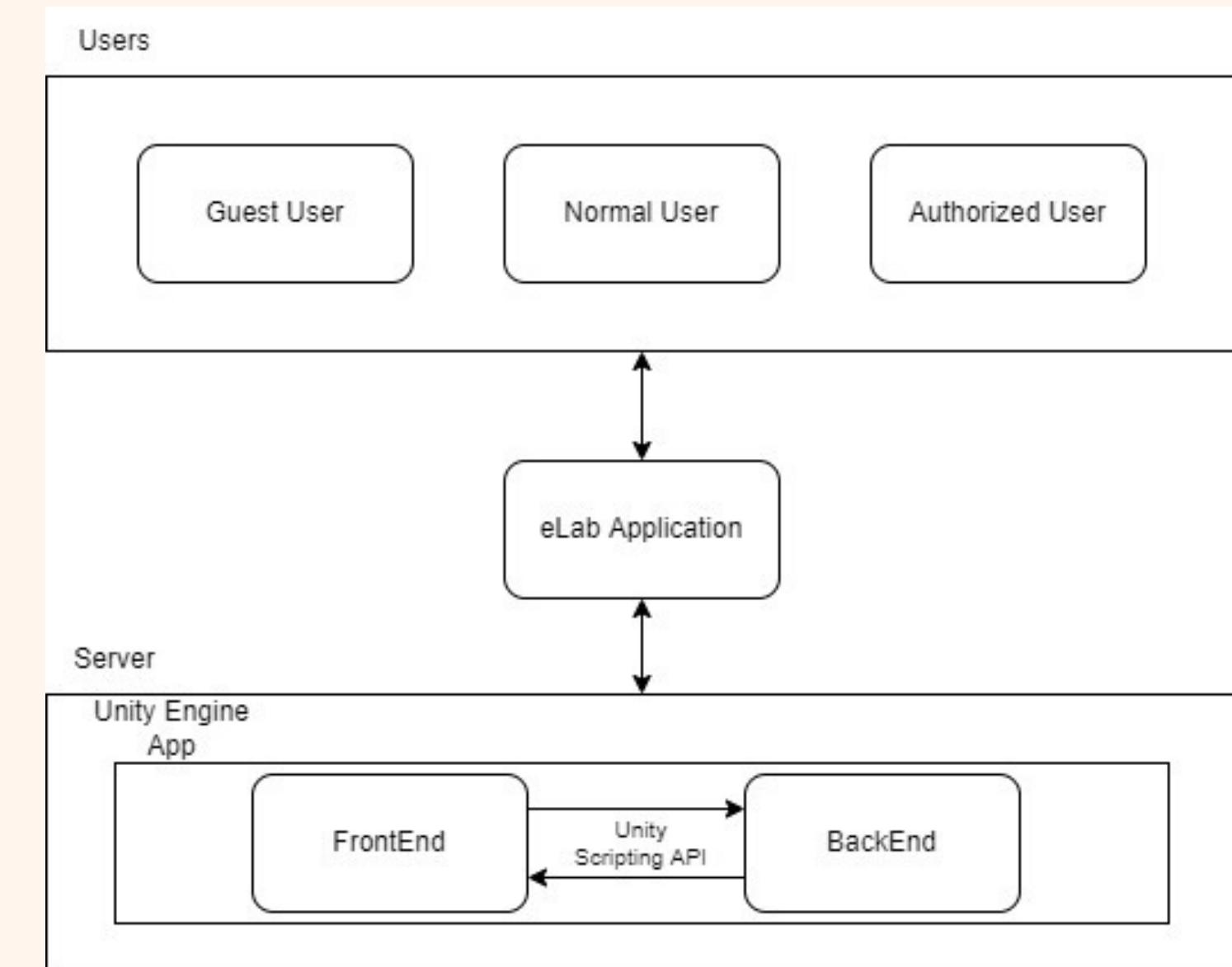
Design (Architecture, User Interface, Database)

The image shows a screenshot of the eLab_ application interface. At the top, there is a header with the logo 'eLab_' and a user profile for 'Yu Ling'. Below the header is a search bar with the placeholder 'Search Archive...'. The main content area has two sections: 'Achievements' and 'Projects'. The 'Achievements' section displays a photograph of a group of people standing on a stage, holding certificates, with a banner in the background that reads 'HACKATHON 2019 HACKBDGWEATHER'. Below the photo is a text box containing placeholder text 'Lorem Ipsum' and a date '2022-06-15'. The 'Projects' section shows a photograph of an office environment with people working at desks. A blue circular button with a white plus sign is located in the bottom right corner of this section.

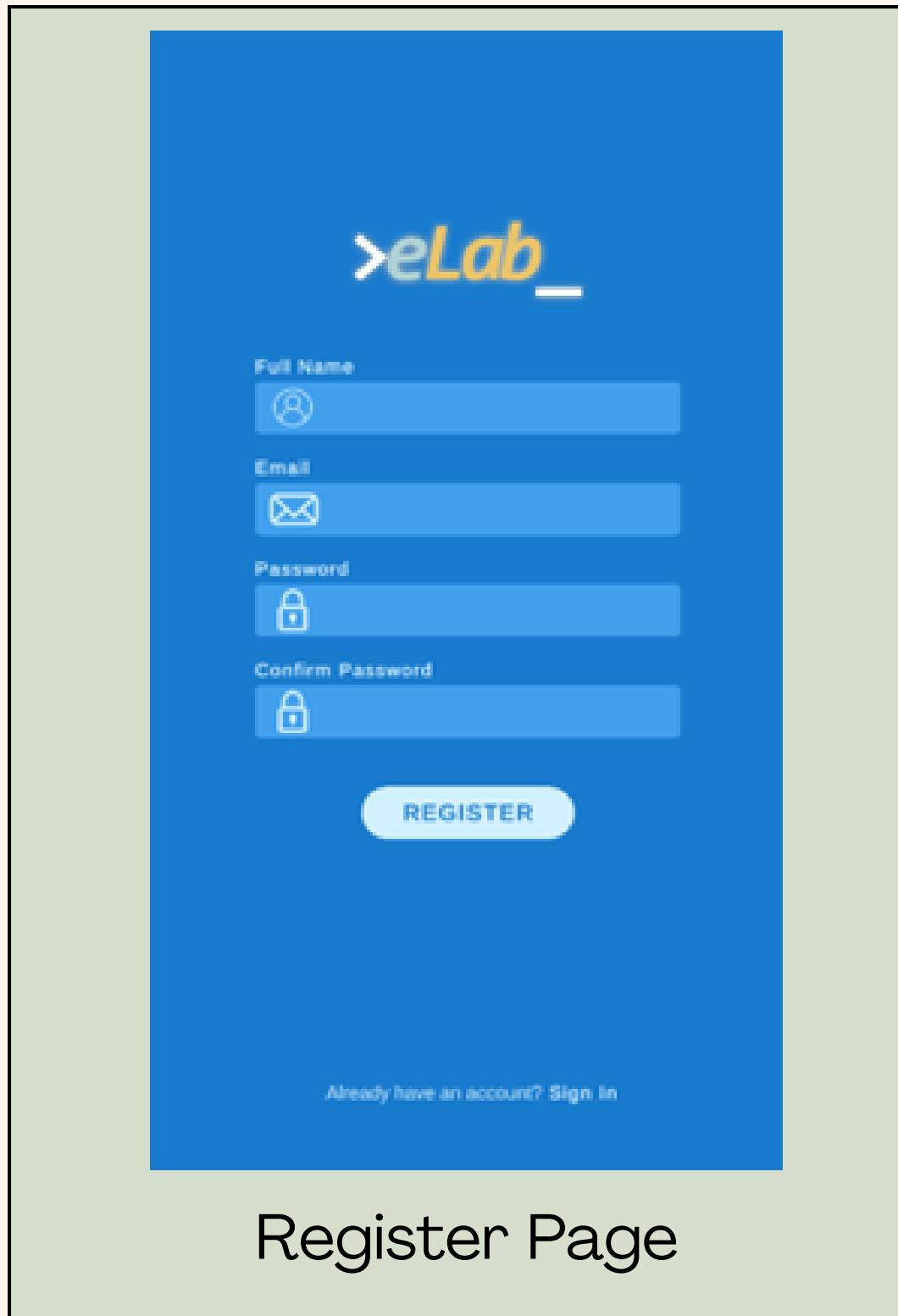
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archive_id	int(11)
author_id	int(11)
date	date
desc	text
authorName	varchar(50)
title	varchar(50)
type	varchar(15)
image	longblob

[Go Back to Agenda Page](#)

Design Architecture



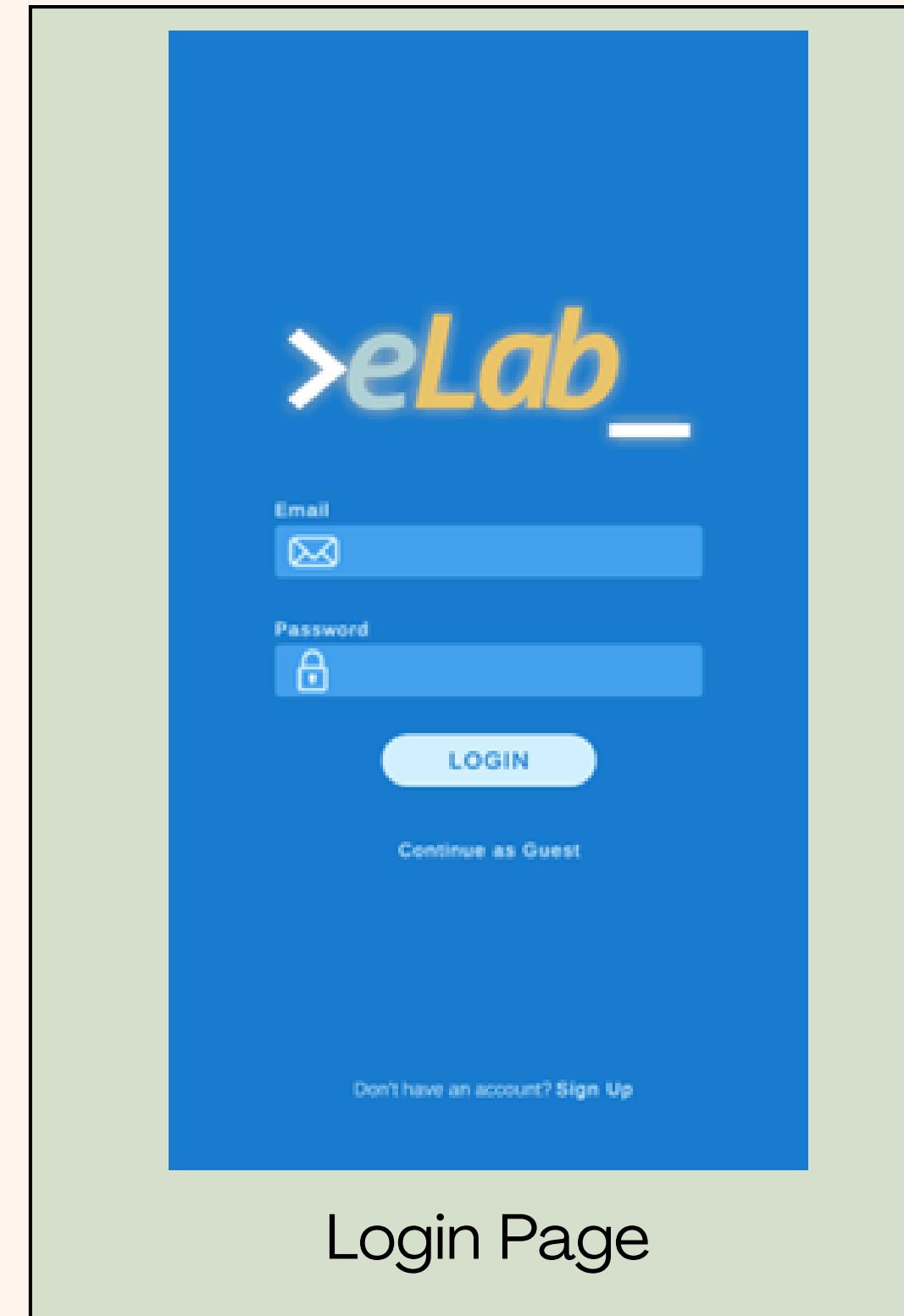
User Interfaces



The Register Page features a large blue header with the >eLab_ logo. Below it is a form with four input fields: 'Full Name' (placeholder: @), 'Email' (placeholder: @), 'Password' (placeholder: @), and 'Confirm Password' (placeholder: @). Each field has a corresponding icon: a person for name, an envelope for email, a lock for password, and a lock for confirmation. A 'REGISTER' button is at the bottom.

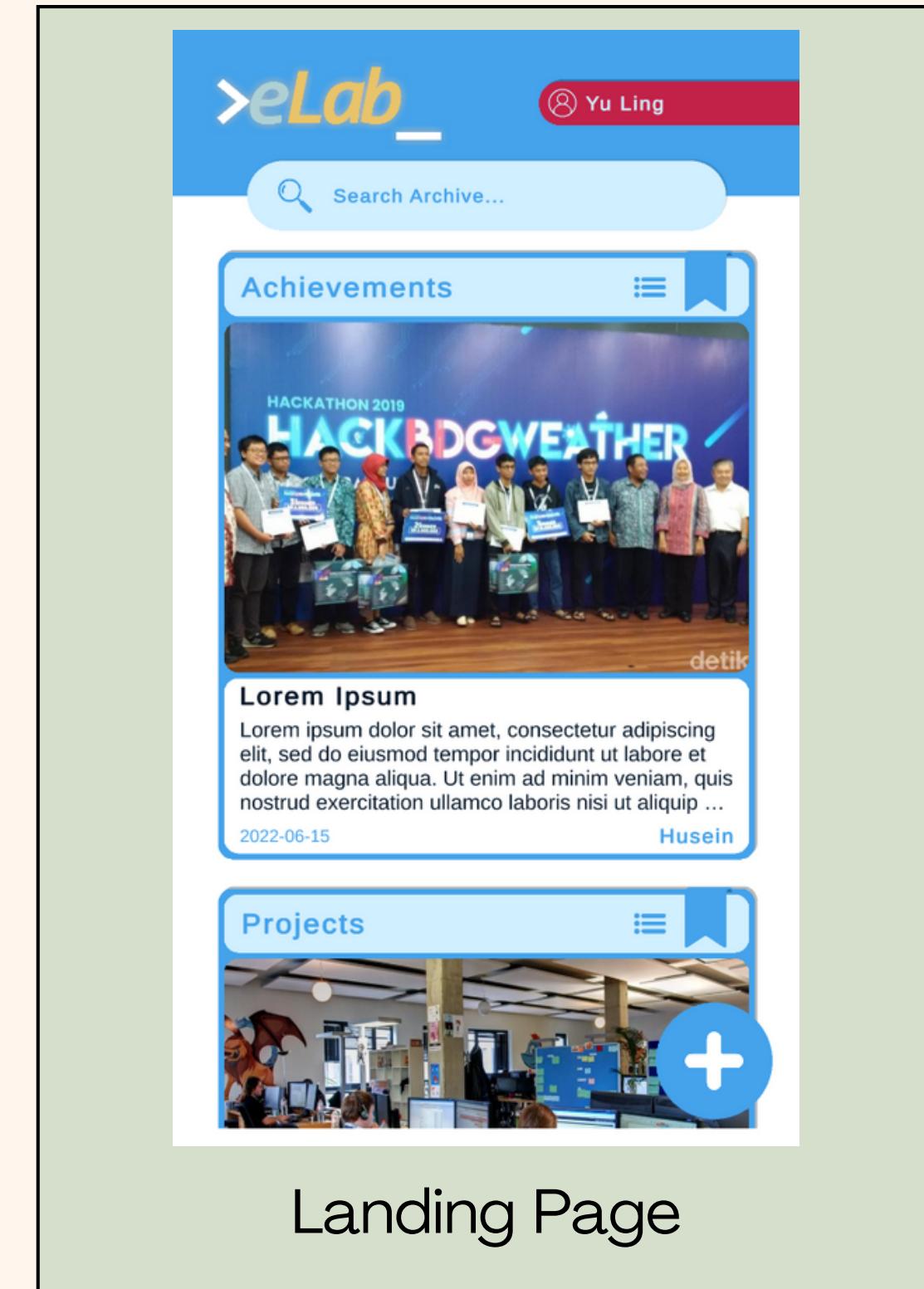
Already have an account? [Sign In](#)

Register Page



The Login Page has a large blue header with the >eLab_ logo. It contains two input fields: 'Email' (placeholder: @) and 'Password' (placeholder: @), each with its respective icon. Below the fields are 'LOGIN' and 'Continue as Guest' buttons. At the bottom is a link: 'Don't have an account? [Sign Up](#)'.

Login Page



The Landing Page shows a user profile for 'Yu Ling'. The top navigation bar includes a search bar ('Search Archive...'), a user icon, and the name 'Yu Ling'. The main content area displays a 'Achievements' section with a photo of a group at a hackathon and a 'Projects' section with a photo of a workspace. A blue circular button with a white plus sign is located in the bottom right corner of the projects section.

>eLab_ Yu Ling

Achievements

HACKATHON 2019 HACKBDGWEATHER

detik

Lorem Ipsum
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ...

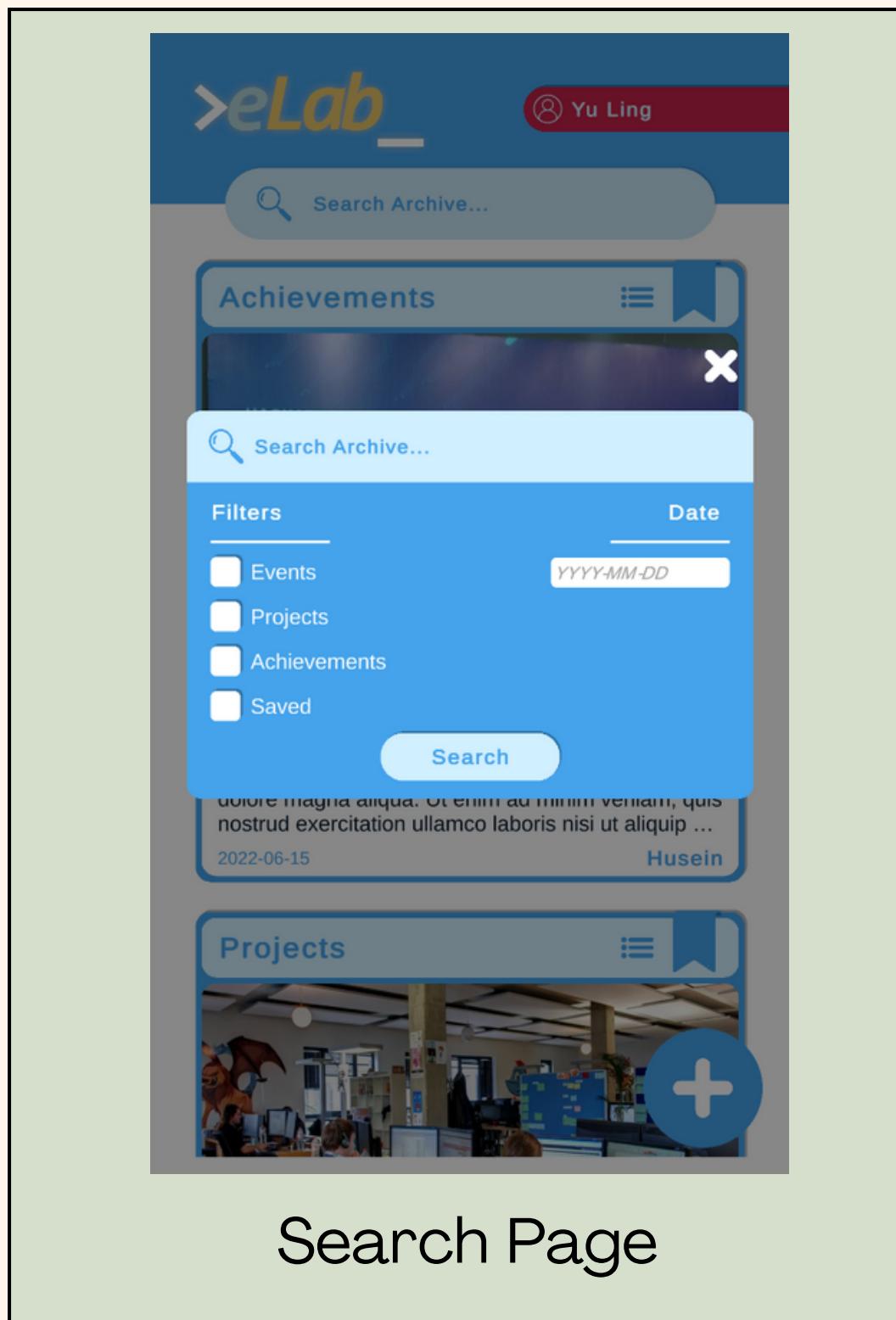
2022-06-15 Husein

Projects

+ +

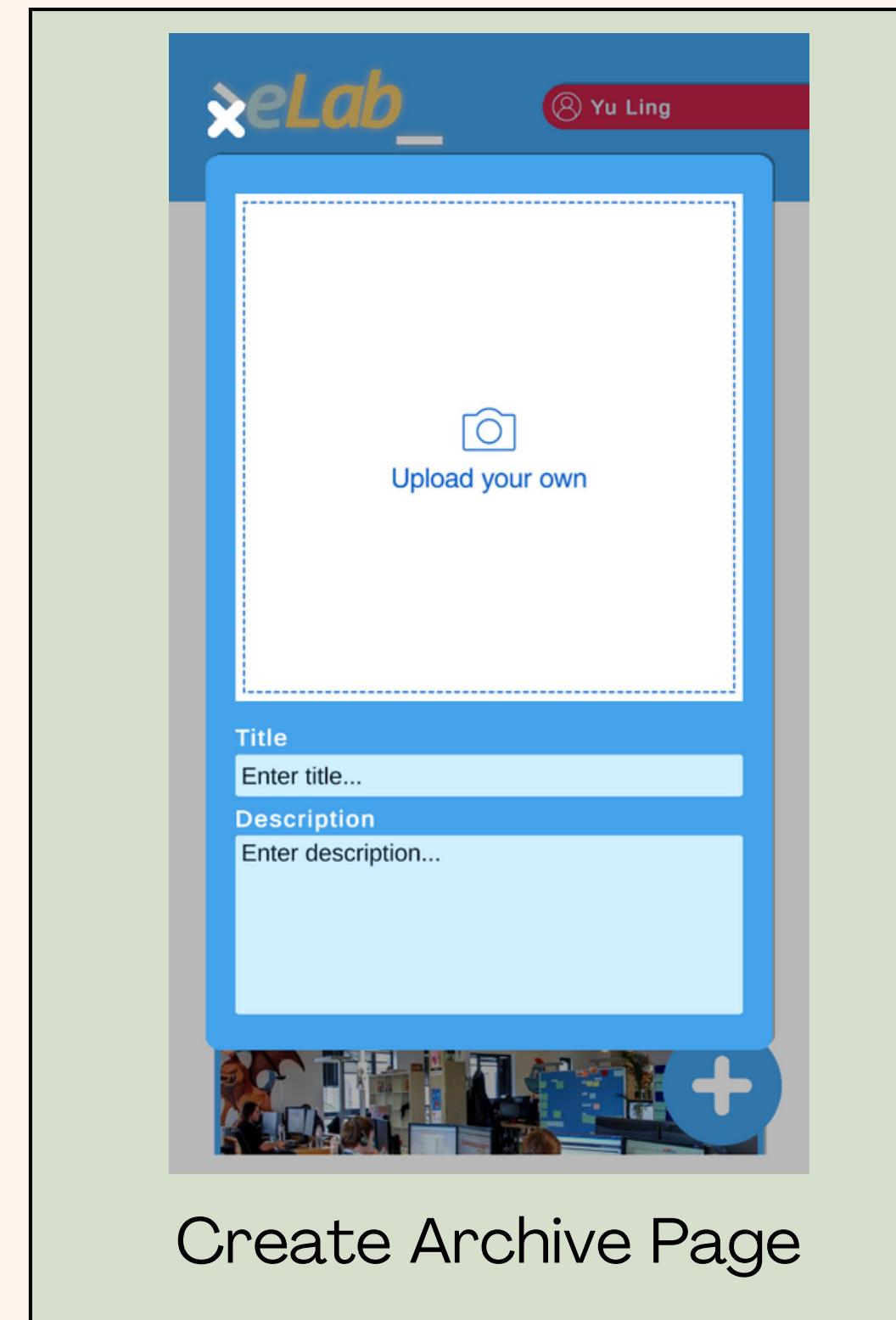
Landing Page

User Interfaces



The search page of the eLab_ website. At the top, there's a header with the logo and a user profile for 'Yu Ling'. Below the header is a search bar labeled 'Search Archive...'. A large blue sidebar on the left contains sections for 'Achievements' (with a close button 'X'), 'Projects' (with a close button 'X'), and 'Saved' (with a close button 'X'). Each section has a 'Search Archive...' button. Under 'Achievements', there's a date filter 'Date' with a placeholder 'YYYY-MM-DD' and a 'Search' button. On the right side, there are two cards: one for 'Events' (2022-06-15 by Husein) and another for 'Projects' (with a plus icon). The main content area shows a list of achievements with titles like 'dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ...' and 'Husein'.

Search Page



The create archive page of the eLab_ website. It features a large central input field with a dashed border and a camera icon, labeled 'Upload your own'. Below this is a 'Title' input field with the placeholder 'Enter title...' and a 'Description' input field with the placeholder 'Enter description...'. At the bottom of the page is a blue footer bar with a plus icon.

Create Archive Page



The modify archive page of the eLab_ website. It shows a card for an archive entry titled 'ARCHIVE - 21'. The card includes a thumbnail image of a group of people at a hackathon, the title 'HACKBDGWEATHER', the date '2022-06-15', and a type dropdown set to 'Events'. The card also contains a 'Save' and 'Delete' button in the top right corner. The main content area shows the 'Title' (Lorem Ipsum) and 'Description' (Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.)

Modify Archive Page

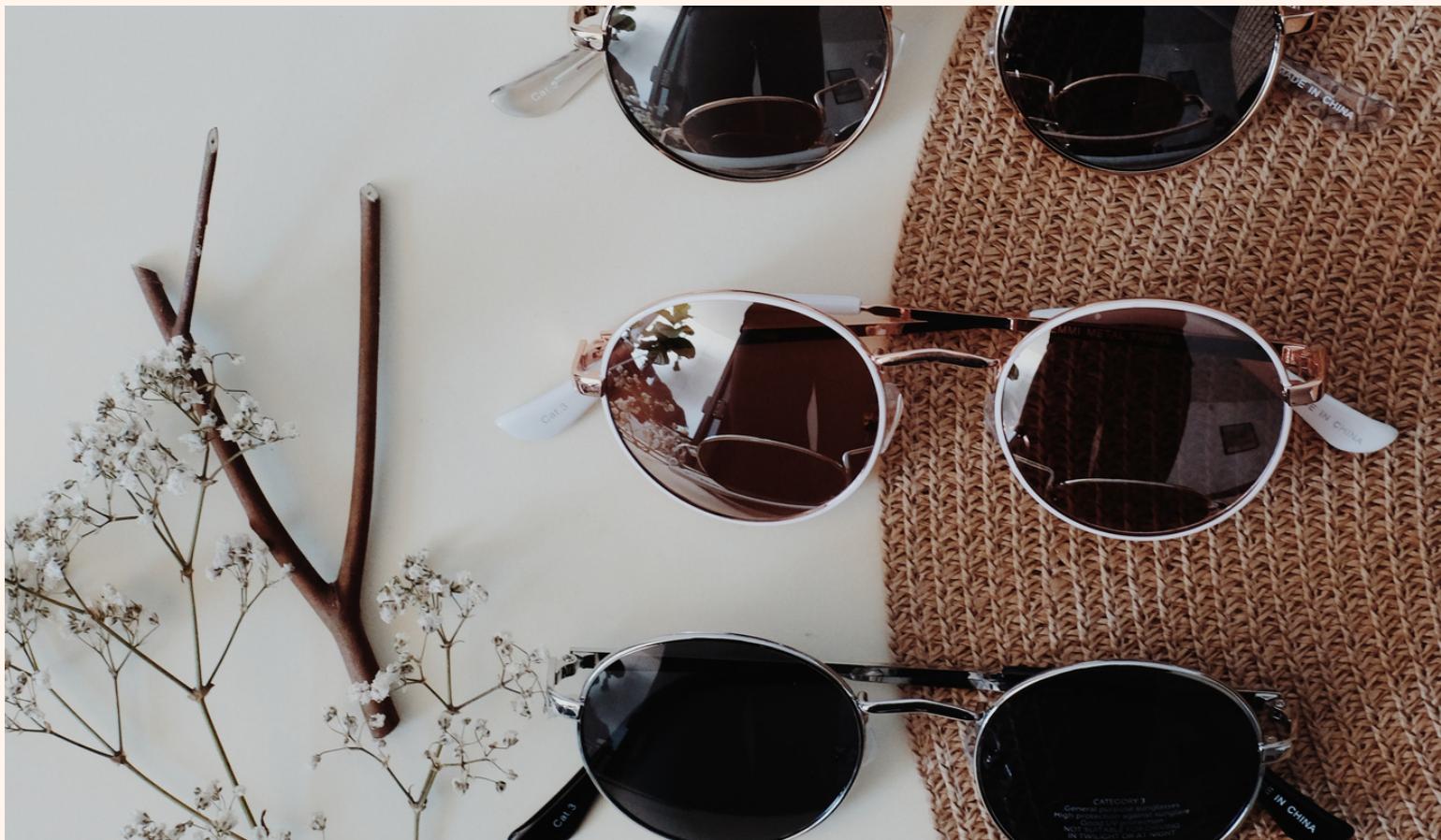
Database

rpl_elab archive	
!	archive_id : int(11)
#	author_id : int(11)
□	date : date
□	desc : text
□	authorName : varchar(50)
□	title : varchar(50)
□	type : varchar(15)
●	image : longblob

rpl_elab user	
□	email : varchar(50)
□	name : varchar(50)
□	password : varchar(30)
#	isAuthorized : int(1)
□	saved_archive : text
!	id : int(11)

Implementation & Unit Test

[Go Back to Agenda Page](#)



Thank you!

Insert a parting or call-to-action message here.

[Go Back to Agenda Page](#)