

## **Milestones App Overview & Features**

**Overview:** The Milestones app offers users a digital scrapbook experience, allowing them to document and celebrate significant moments in their lives. With a timeline view showcasing milestones as checkpoints, users can easily navigate through their personal journey. Each milestone entry provides a detailed description, photos, videos, and more, creating a rich narrative of cherished memories. The app supports the creation of milestones, empowering users to capture a wide range of events. With features like a search bar for quick navigation, support for multiple timelines for organization, and the ability to explore and interact with other users' timelines, the Milestones app provides a seamless and engaging platform for preserving life's most precious moments.

### **App Stack:**

Javascript: Node, Express, React, Material UI, auth0

Database: PostgreSQL

### **User Stories**

- As a user who is **logged out**, I should be able to **create an account** by providing basic information such as username, email, and password so I can **access the app's feature**.
  - As a user who is **logged in**, I should be able to **view my milestones presented in a chronological timeline format** so I can **visualize my events over time**.
  - As a user who is **logged in**, I should be able to **create milestones representing significant events in my life** so I can **view it in my chronological timeline**.
  - As a user who is **logged in**, I should be able to **click on the details of a milestone** so I can **view the diary entry, description, photos, videos, or other multimedia content associated with the milestone**.
  - As a user who is **logged in**, I should be able to **search specific key words** so I can **find specific milestones on my timeline**.
  - As a user who is **logged in**, I should be able to **create multiple timelines** so I can **organize my milestones based on different aspects of my life (personal, achievements, daily events, etc.)**.
  - As a user who is **logged in**, I should be able to **view timelines created by other users** so I can **get inspiration from them**.
  - As a user who is **logged in**, I should be able to **like milestones from other users** so I can **show appreciation in their events**.
  - As a user who is **logged in**, I should be able to **manage my account** so I can **update my personal information**.
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## **Frontend Routes**

HTTP Method	Route	Description
GET	/	Homepage: view all timelines
GET	/following	Followings page: view all timelines of users that logged in user is following
GET	/timelines/:id	MyTimelines page: view all timelines of logged in user
GET	/favourites	Favourites page: view all timelines logged in user has favourited

## **Backend Routes**

**NOTE: add /api at start of all routes, except /login**

Action	HTTP Method	Route	Description
Create	POST	/followings /:userid	Follow a user
	POST	/milestones	Create new milestone
	POST	/timelines	Create new timeline
	POST	/timelines /favourites /:id	Favourite a timeline
Read	GET	/followings	Display all followings between users
	GET	/followings /:userid	Display all users that specified user is following
	POST	/login	Log in as an existing user
	GET	/milestones	Get all milestones

	GET	/milestones /search/:timeline_id/:searchText	Search for milestones by keyword
	GET	/milestones /search/:timeline_id/:fromDate/:toDate	Search for milestones by date
	GET	/timelines	Get all timelines
	GET	/timelines/:id	Get specified timeline by id
	GET	/timelines /milestones/:id	Get all milestones belonging to a specified timeline
	GET	/timelines /favourites/:userid	Get all favourited timelines of specified user
Update	POST	/milestones /update	Edit existing milestone
	POST	/timelines /update	Edit existing timeline
Delete	DELETE	/followings/:userid	Unfollow a user
	DELETE	/milestones /delete/:timeline_id/:id	Delete a milestone
	DELETE	/milestones/delete/:timeline_id/:id	Delete image in a milestone
	DELETE	/timelines /favourites/:id	Remove timeline from favourites
	DELETE	/timelines /delete/:id	Delete timeline