

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, Bootstrap

Database: PostgreSQL

User Stories:

- (MVP ) As a user, I want to be able to Register into MileStone with basic information such as username, email, and password.
- (MVP ) As a user, I want to be able to log into MileStone with a username and password.
- (MVP ) As a user, I want to be able to navigate to different tabs in the nav-bar.
- (MVP ) As a user, I want to be able to view timelines on the homepage loaded from the API and also able to view detailed version of the timelines created by other users.
- (MVP ) As a user, I want to be able to create a timeline with title, description, cover-image and also edit or delete it.
- (MVP ) As a user, I want to be able to create a milestone with title, date, diary-entry, images(max of 4) and also edit or delete it.
- (MVP ) As a user, I want to be able to like a timeline and see the liked timeline in the Favourites tab.

- (MVP ) As a user, I want to be able to follow a user and see the followed user's timelines in the Following tab.
 - (MVP ) As a user, I want to be able to see all timelines I created in the My Timelines tab.
 - (MVP ) As a user, I want to be able to see all timelines of specific user by clicking on the username.
 - (MVP ) As a user, I want to be able to view a larger version of the milestone image by clicking on it.
 - STRETCH: As a user, I want to be able to edit or delete each individual milestone image.
 - STRETCH: As a user, I want to be able to search for a specific milestone within timeline by entering keywords and dates.
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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	Follow a user

		/:userid	
	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/:use rid	Unfollow a user
	DELETE	/milestones /delete/:timeline _id/:id	Delete a milestone
	DELETE	/milestones/dele te/:timeline_id/: id	Delete image in a milestone
	DELETE	/timelines /favourites/:id	Remove timeline from favourites
	DELETE	/timelines /delete/:id	Delete a timeline