

# Anime Collections Project Assignment

## Technical Requirements

- Use **Typescript**.
- Build a web app using **React.js** ( allowed to use Create React App, Create Next App, or your own starter template) Your web app UI/UX should be **mobile-first & single page application** (SPA) and follow the requirements listed below
- Use GraphQL, with [AniList GraphQL API](#) to get anime list and anime detail (you can use GQL clients such as [Apollo Client](#), [Relay](#), etc )
- Use CSS in Js (prefer [emotion](#)).
- Collection data (list of collections with its anime added) should persist, not be removed/reset on page reload. Use Web Storage API to store this data (Don't use the Anilist GraphQL mutation).
- Make your web app as performant as possible. You can use tools such as Lighthouse to help you audit your web app.
- Kindly provide **hosted project repository** (can be GitHub, GitLab, or Bitbucket)and **deployed web-app**(you can use free platform solutions such as [Vercel](#), [Surge](#), [Github Pages](#), [Firebase](#), [Netlify](#), or others)

## Functionality Requirements

### • Anime List page

Title	User Story	Importance
Anime list	As a user, I can see 10 anime on initial page load.  <b>Acceptance Criteria:</b> <ul style="list-style-type: none"><li>- For each anime, show info at least the anime title and anime cover/banner.</li><li>- Each anime item are clickable, and will redirect to Anime Detail page when clicked.</li><li>- Anime List page should have pagination functionality.</li></ul>	Must Have
Bulk add to the collection	As a user, I can add multiple anime to the collection at once.  <b>Acceptance Criteria:</b> <ul style="list-style-type: none"><li>• User can select multiple anime item/card to be added into a collection via Modal /PopUp form.</li><li>• If user want to bulk add anime to collection but there is no collection yet, user can set collection name as new collection.</li><li>• Collection Name must unique</li><li>• Collection Name doesn't have special Char</li></ul>	Optional

### • Anime Detail page

Title	User Story	Importance
Anime detail info	As a user, I can anime info on the page.  <b>Acceptance Criteria:</b> <ul style="list-style-type: none"><li>• Show anime cover/banner.</li><li>• Show anime title.</li><li>• Show other anime details (description, number of episodes, genres, rating, etc). Feel free to add more.</li></ul>	Must Have

Add to the collection	<p>As a user, I can the anime to the collection.</p> <p><b>Acceptance Criteria:</b></p> <ul style="list-style-type: none"> <li>• User can add anime to an existing collection.</li> <li>• If user want to add anime to collection but there is no collection yet, user can set collection name as new collection.</li> <li>• User can add an Anime to many collection</li> <li>• Collection Name must unique</li> <li>• Collection Name doesn't have special Char</li> </ul>	Must Have
Collection info	<p>As a user, I can see if the anime already added to collection or not.</p> <p><b>Acceptance Criteria:</b></p> <ul style="list-style-type: none"> <li>• User can see list of collection names where the anime already added.</li> <li>• User can click the collection name, and will redirect to Collection Detail page.</li> </ul>	Must have

• **Collection List page**

Title	User Story	Importance
Collection list info	<p>As a user, I can see list of collection that already added.</p> <p><b>Acceptance Criteria:</b></p> <ul style="list-style-type: none"> <li>• Show all collections at once on initial load page.</li> <li>• Each collection item should show collection name.</li> <li>• Each collection item should show anime cover/banner from the firstly added anime. If no anime added yet, use default image as cover/banner.</li> <li>• User can click the collection item, and will redirect to Collection Detail page.</li> <li>• The collections in this list should be persist even after a full page reload.</li> </ul>	Must Have
Remove Collection	<p>As a user, I can remove collection from Collection List page.</p> <p><b>Acceptance Criteria:</b></p> <ul style="list-style-type: none"> <li>• Show "Remove" button on each collection item/card.</li> <li>• Add confirmation modal/popup when user click Remove button, with collection name info.</li> <li>• After remove finished, collection list should be updated without reloading the page.</li> </ul>	Must Have

Add Collection	<p>As a user, I can add collection from Collection List page.</p> <p><b>Acceptance Criteria:</b></p> <ul style="list-style-type: none"> <li>• Show “Add a Collection” button on top of Collection List page.</li> <li>• When button clicked, show modal/popup to fill collection name (collection name should be unique) and submit as new collection.</li> <li>• After submit finished, new collection should automatically added to the list without reloading Collection List page.</li> <li>• Collection Name must unique</li> <li>• Collection Name doesn't have special Char</li> </ul>	Must Have
Edit Collection	<p>As a user, I can edit collection name from Collection List page.</p> <p><b>Acceptance Criteria:</b></p> <ul style="list-style-type: none"> <li>• Show “Edit” button on each collection item/card.</li> <li>• Add modal/popup when user click Edit button, with collection name input field, and submit button.</li> <li>• After edit finished, collection list should be updated without reloading the page.</li> <li>• Collection Name must unique</li> <li>• Collection Name doesn't have special Char.</li> </ul>	Optional

• **Collection Detail page**

Title	User Story	Importance
Collection detail info	<p>As a user, I can see list of anime that already added to the collection.</p> <p><b>Acceptance Criteria:</b></p> <ul style="list-style-type: none"> <li>• Show collection name on top of the Collection Detail page.</li> <li>• Show all added anime at once on initial load page.</li> <li>• Each anime item/card should show anime name &amp; anime cover/banner.</li> <li>• User can click the anime item, and will redirect to Anime Detail page.</li> </ul>	Must Have
Remove anime from collection	<p>As a user, I can remove anime from Collection Detail page.</p> <p><b>Acceptance Criteria:</b></p> <ul style="list-style-type: none"> <li>• Show “Remove” button on each anime item/card.</li> <li>• Add confirmation modal/popup when user click Remove button, with anime title info.</li> <li>• After remove finished, anime list should be updated without reloading the page.</li> </ul>	Must Have

Edit Collection Name	<p>As a user, I can edit collection name from Collection Detail page.</p> <p><b>Acceptance Criteria:</b></p> <ul style="list-style-type: none"> <li>• Show "Edit" button on top of Collection Detail page.</li> <li>• Add modal/popup when user click Edit button, with collection name input field, and submit button.</li> <li>• After edit finished, collection detail page should be updated without reloading the page.</li> <li>• Collection Name must unique</li> <li>• Collection Name doesn't have special Char.</li> </ul>	Optional
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### Additional Requirement

You also can follow these requirements below but not mandatory.

- Your web app should have good UI/UX on mobile AND desktop view.
- Good and usable UI / UX is a plus! We appreciate you if you can give your best in designing great UI for your customers when you join Tokopedia.
- Automated test (integration test and unit test) is a big plus
- Web Platform Engineers in Tokopedia are currently using these stacks, so we expect you to be able to show us your competencies with technologies listed below:



- React with React Hooks and React Context
- GraphQL using Apollo Client (<https://www.apollographql.com/> )
- CSS-in-JS using Emotion (<https://emotion.sh/> )
- Unit Test using Jest (<https://jestjs.io/> ) and React Testing Library (<https://testing-library.com/> )
- Webpack
- AMP, PWA, SPA & SSR (Universal Rendering)
- Web Capabilities (<https://web.dev/fugu-status/> )



For more question you can email us to [farizal.anugrah@tokopedia.com](mailto:farizal.anugrah@tokopedia.com) or [dedi.suhanda@tokopedia.com](mailto:dedi.suhanda@tokopedia.com)