Assignment – Favorite List by using AsyncStorage

Instructions

In this assignment, you will be extending the router to support the ability to save and retrieve a list of favorite artTools by each of the users. They should have the ability to save any artTools as their favorite artTools, retrieve all their favorite artTools and remove one or all their favorite artTools.

Assignment Overview

At the end of this assignment, you should have completed the following:

- Create a resource to mockapi.io tool which stores the data of artTools.

- Allowed users to select a artTool and add it to the list of favorites that are saved on their devices.

- Allowed users to retrieve the list of their favorite artTools from the Favorites List screen.

- Delete one or all their favorite artTools from their Favorites List on devices.

- The data of artTools come from the mockapi.io tool.

- Screens must be switched back and forth quickly.

Assignment Requirements

In this assignment, you will be supporting the public screens where the users can view all the artTools by Brands and the detail of artTool. The users can retrieve their favorite artTools, search the artTool by name. They can add a list of artTools to their favorites and delete (all) the artTool(s). The data was declared as an array of objects. Each item contains a name representing the item's name, image and a unique id.

This assignment consists of the following three tasks:

Task 1 - Assignment 1:

In this task you will implement the screens such as: the Homepage, Detail, Favorites List… Using some components that support to your screens such as: FlatList, Images, Pressable, [React Navigation](#) (Native Stack, Drawer, Bottom Tabs, …), React Native UI Components (React Native Elements, Native Base, React Native Paper, Gluestack…), React Hook…

The data of Home and Detail screen come from theo mockapi.io tool. The Home screen will show all the artTools which belong to their brands (filter artTools by press on a brand at this screen), the data includes: artName, price, limitedTimeDeal. You must make stand out to the value of minutes (showing the hour value), position, PassingAccuracy, gender and the state of favorite (can be an icon). Using the Bottom Tabs to switch all screens. Design and arrange this component as good as possible.

The Favorites list will be implemented by [AsyncStorage](#).

Task 2 - Assignment 2:

On the Detail screen, you should display all the information about the artTool. Jump to the area of feedback, The number of ratings is displayed in star form, the comments are clearly displayed. Ratings are grouped by value so users can quickly refer to them.

Task 3 - Assignment 2:

In this task, you will implement the add to favorite list function such that you support retrieve, create and delete operations. The users can:

- Add/Remove a artTool to favorite list from the Home and Detail Screen if the artTool does not already exist in the list of favorites.

- Search the artTools.

- Show all the artTools which were added to favorite list from the Favorites List screen.

Task 4 - Assignment 3:

Developing and integrating Advanced Features into Your Expo App by yourself: Gemini AI, Image Picker, Map,…

Task 5 - Assignment 3:

Each screen can be switched back and forth quickly.

UI/UX design looks attractive and truly native.

Side effects were adapted fully and reasonably for all screens.

The data for referenced which stores to mockapi.io tool

[{ "id": "1", "artName": "3D Fabric Paint, Glow in the Dark A402", "price": 5, "description": "Puffy Paint for Fabric - Create eye-catching, 3D designs with this bright and vibrant color.", "glassSurface": true, "image": "https://m.media-amazon.com/images/I/61I8rKtZE0L._AC_SX679_.jpg", "brand": "Arteza", "limitedTimeDeal" : 0.27, "feedbacks":[{ "rating": 5, "comment": "Imagine all the watches, living in conFusion!", "author": "John Lemon", "date": "2023-10-16T17:57:28.556094Z" }, { "rating": 4, "comment": "Sends anyone to heaven, I wish I could get my mother-in-law to use it!", "author": "Paul McVites", "date": "2023-09-05T17:57:28.556094Z" }] }, { "id": "2", "artName": "Worldwide Neon Dimensional Fabric Paint Assortment", "price": 13, "description": "Brilliant colors, smart prices! Top-quality fabric paint at a budget price.", "glassSurface": false, "image": "https://m.media-amazon.com/images/I/71yL1rYRRGL._SX522_.jpg", "brand": "Color Splash", "limitedTimeDeal" : 0.18 }, { "id": "3", "artName": "Edding 4500 textile marker - set of 10 colors (basic)", "price": 29, "description": "De edding textielstiften en pennen zijn verkrijgbaar in 20 levendige kleuren; voor het tekenen van precieze lijnen, bekijk de edding 4600 textielstift.", "glassSurface": false, "image": "https://m.media-amazon.com/images/I/71iNvJ0u+7L._AC_SX679_.jpg", "brand":"Edding", "limitedTimeDeal" : 0 }, { "id": "4", "artName": "Real Brush Pens, Set of 12, Bright Tones", "price": 12, "description": "Self-Moistening and Self-Cleaning Flexible Nylon Bristles: You don't have to moisten or clean the bristles of our markers for artists after blending with other colors.", "glassSurface": true, "image": "https://cdn2.jomashop.com/media/catalog/product/g/u/gucci-ladies-gucci-bloom-edp-spray-1-oz-30-ml 8005610481081.jpg", "brand": "Arteza", "limitedTimeDeal" : 0.16 }, { "id": "5", "artName": "Watercolor Pencils, 72 Colored Drawing Pencils for Artists", "price": 40, "description": "Add Depth to Your Art with These Watercolor Pencils: With a dab of a wet brush, these watercolor pencils for artists allow you to blend, layer, and create unique effects that lend drama to artworks.", "glassSurface": false, "image": "https://m.media-amazon.com/images/I/81k7uavjV1L._AC_SX466_.jpg", "brand": "Arteza", "limitedTimeDeal" :0 }, { "id": "6", "artName": "edding, textile pen 4600, round tip, 1 mm, red", "price": 2, "description": "Max. allowed washing temperature of the paint application: 60 °C.", "glassSurface": true, "image": "https://m.media-amazon.com/images/I/41apzbsl-LL._AC_SX679_.jpg", "brand": "Edding", "limitedTimeDeal" :0 }, { "id": "7", "artName": " Watercolor Brush Markers, 36 Piece, Multicolor, 410-36", "price": 45, "description":"HAVE FUN: Pinpoint precision control, so you can create washes, gradients, shading effects, and much more. Blend colors together to create variants of your own from light pastels to bold shades. Create with no worry or mess. Hassle-free free with no bleeding or smearing.", "glassSurface": true, "image": "https://cdn2.jomashop.com/media/catalog/product/cache/fde19e4197824625333be074956e7640/e/x/explorer mont-blanc-edp-spray-33-oz-100-ml-m-124069.jpg", "brand":"KingArt", "limitedTimeDeal" :0.3 }, { "id": "8", "artName": "Dual Tip Brush Pen Art Markers with Fineliner, Unqiue Colors, Set of 36", "price": 16, "description":"Ideal For Fine Art, Brush Lettering, Faux Calligraphy, Illustrations, Water Color Illustrations, Journaling And More!", "glassSurface": false, "image": "https://cdn2.jomashop.com/media/catalog/product/cache/fde19e4197824625333be074956e7640/t/i/tiziana-terenzi unisex-kirke-extrait-de-parfum-spray-338-oz-tester-fragrances-0908763216987.jpg", "brand": "KingArt", "limitedTimeDeal" :0.42 }, { "id": "9", "artName": "8-oz. Color Splash! Washable Glitter Paint Assortment (Pack of 8)", "price": 35, "description":"Brilliant colors, smart prices! Top-quality non-toxic washable glitter paint at a budget price.", "glassSurface": false, "image": "https://m.media-amazon.com/images/I/81xR31HH+ML._SX522_.jpg", "brand": "Color Splash", "limitedTimeDeal" : 0 }]