

Home page

1. Login as a user

A login page, assign each user a user-id (unique, store as a primary key in the user entity) ask to enter the username and user key for future login.

2. User interest etf

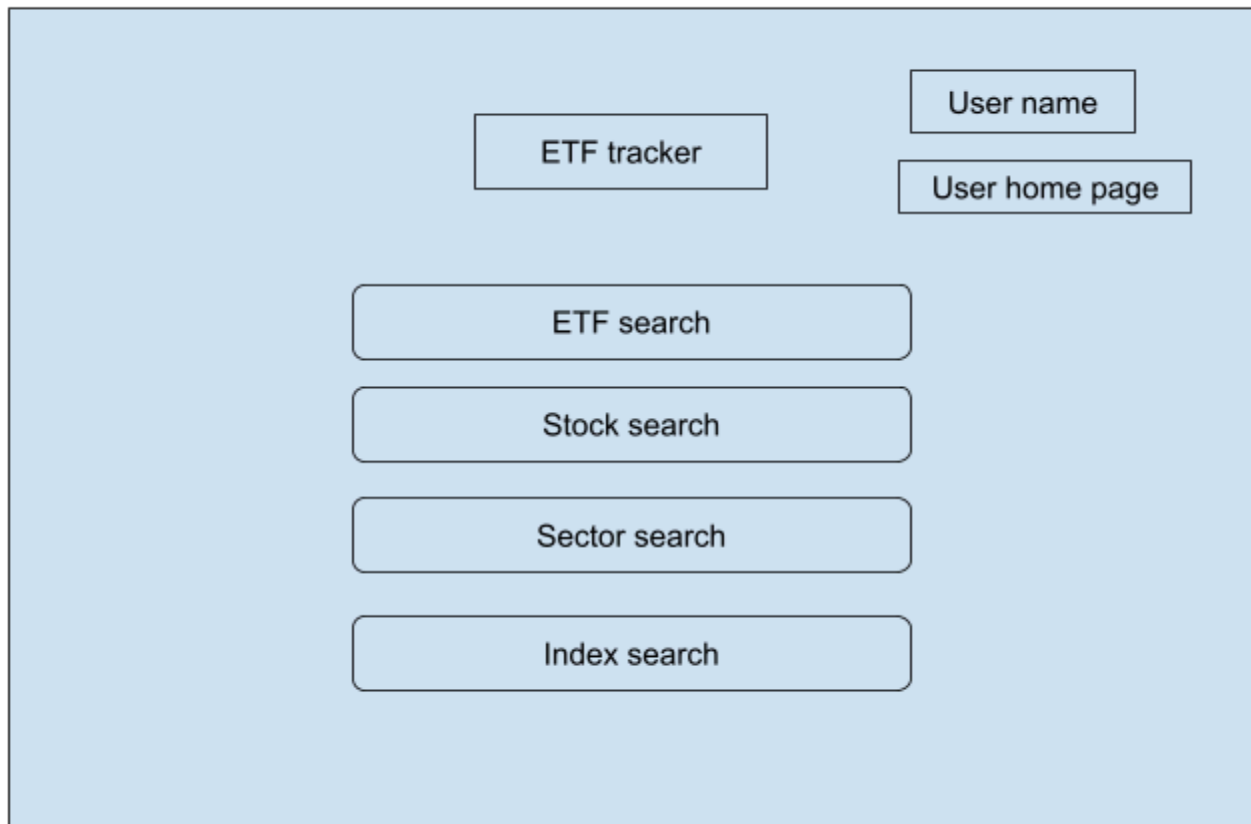
- a. Create a “like” button or create a page after login to let the user to store the ETF they are interested in.

3. Recommendation algorithm

- a. According to the etf in the user interest entity, base on the ETF sector, ETF stock (similar ETF that has similar stock holding, ETF funding company, give out three recommend ETFs

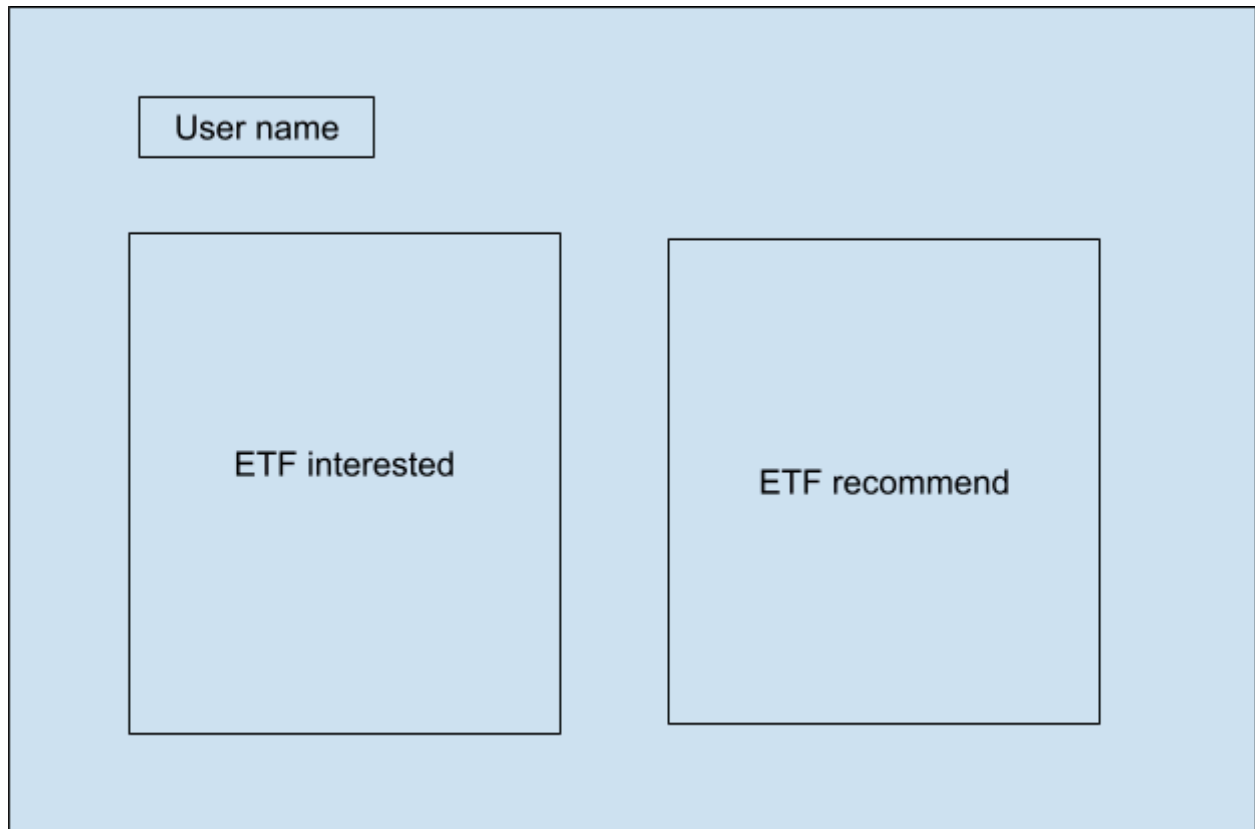
还需要一个login page

After login



The image shows a user interface layout for a page after login. The background is light blue. In the top right corner, there are two rectangular boxes: 'User name' and 'User home page'. In the top center, there is a rectangular box labeled 'ETF tracker'. In the center of the page, there are four rounded rectangular buttons stacked vertically: 'ETF search', 'Stock search', 'Sector search', and 'Index search'.

Home page



The diagram illustrates the layout of a home page. It features a light blue rectangular container. Inside this container, at the top left, is a smaller rectangle labeled "User name". Below this, the container is divided into two equal-width rectangular sections. The left section is labeled "ETF interested" and the right section is labeled "ETF recommend".

User name

ETF interested

ETF recommend

Main page
Four “enter tab”

The main page features a light blue background with a central column of buttons. At the top, there are two buttons: 'ETF tracker' and 'Login/sign in'. Below these, there is a vertical stack of four buttons: 'ETF search', 'Stock search', 'Sector search', and 'Index search'.

1. ETF search by ETF name and ticker:

input	Page 1 Basic information	Page 2 Sector	Page 3 Included stock
enter the ETF ticker /common name	Return the basic information of the ETF (name, Inception_date, Aum, Number of stock included, management fee) *all information in the ETF entities	ETF_has_sector: Sector name, sector weight Fund has ETF & Fund Family: Fund Family name head quarters, number_of_funds	Return top 30 (by weight) stock included in the ETF (Each stock is one row, including the all information in the Stock entity) by weight descending.

2. Stock search

Input	Page 1: basic information	Page 2 : The ETFs that contain this stock
Enter the stock ticker/common name	<p>Stock entity: Stock name, stock ticker, ipo_date, sector_name (find sector id and link to Sector entity)</p> <p>Stock in index: Index name(find index_id and link to Market_index entity), weight</p>	<p>Stock in ETF: Etf ticker, (ETF entity) ETF name, stock weight</p>

3. Sector search

Input	Page1: basic information	Page 2: ETF related to this sector	Page 3: Stocks included in this sector
Enter the sector name (下拉面板选择, 不能自己输入)	<p>Sector entity: Sector name 1, 3, 5 annualized return The number of stocks include</p>	<p>ETF_has Sector: ETF name, sector weight</p>	<p>Stocks: stock_name 50 stocks that belongs to this sector</p>

4. Index search

Input	Page 1: basic information	Page 2: stock related to the market index
Enter the market index ticker/common name	<p>Market Index: Index_name Ticker Number_of_contributes Launch_date</p>	<p>stock_in_index: Stock name weight</p>

	base value Index category: category_name	
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