RATES API – HSBC Assessment

The Rates API is a free service for current and historical foreign exchange rates. It gives historical and current exchange rates for different currencies against the Euro.

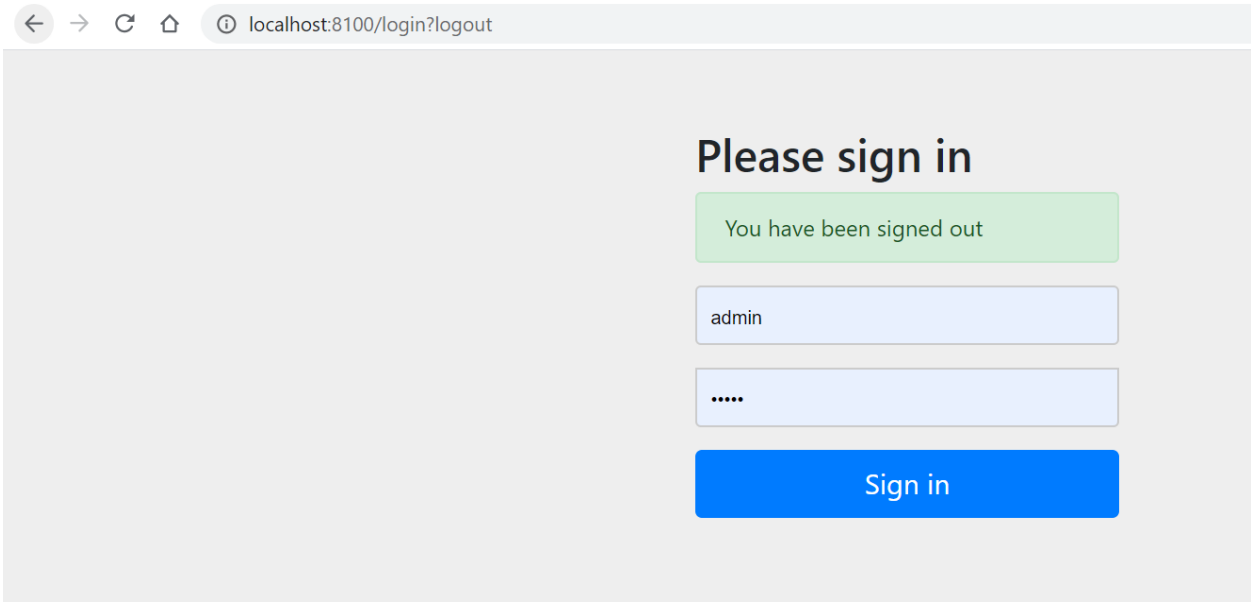
Please see below functionalities with snapshots.

1. **Login/Logout implementation**

   Username: admin
   Password: admin

   a. **Login page:**

b. Logout page:



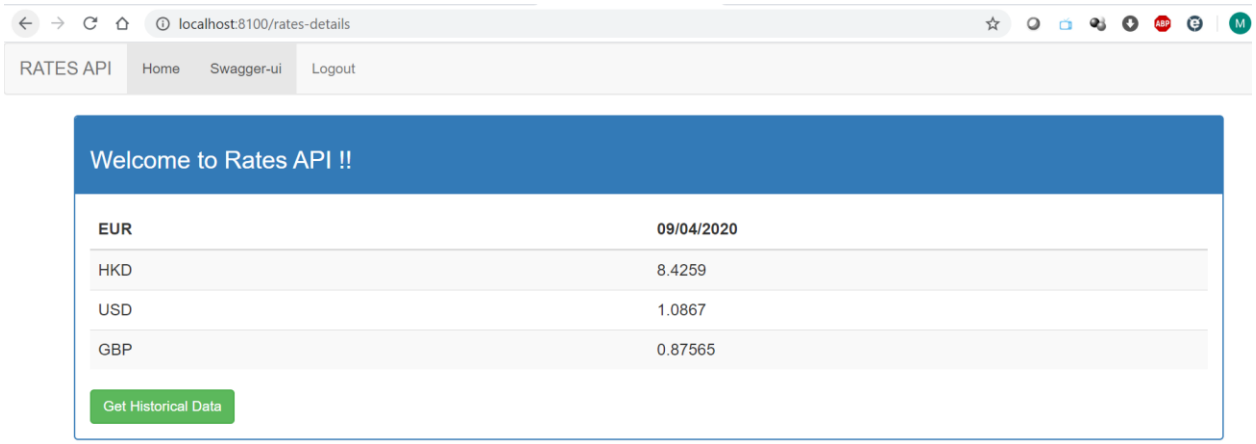
2. Latest Data

This API is flexible and scalable to change the base and symbols.

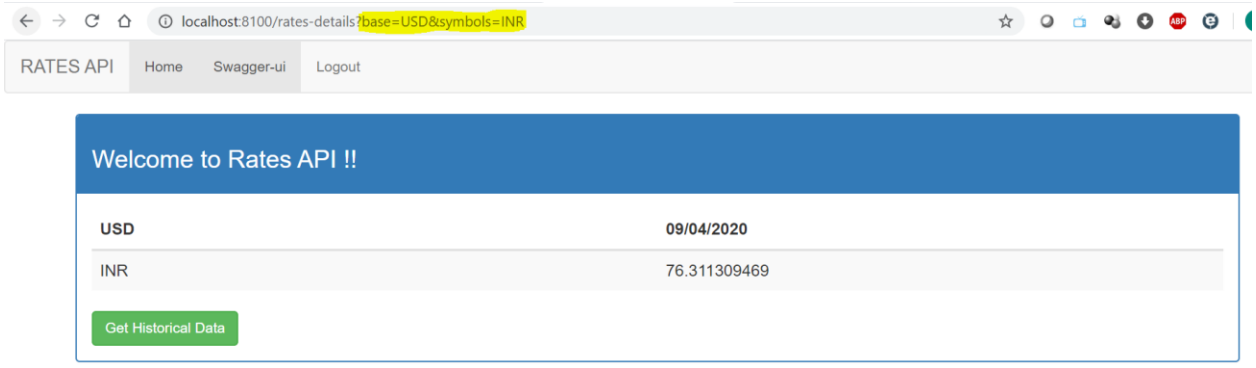
Default base : EUR

Default base: GBP,USD,HKD

a. EndPoint: http://localhost:8100/rates-details

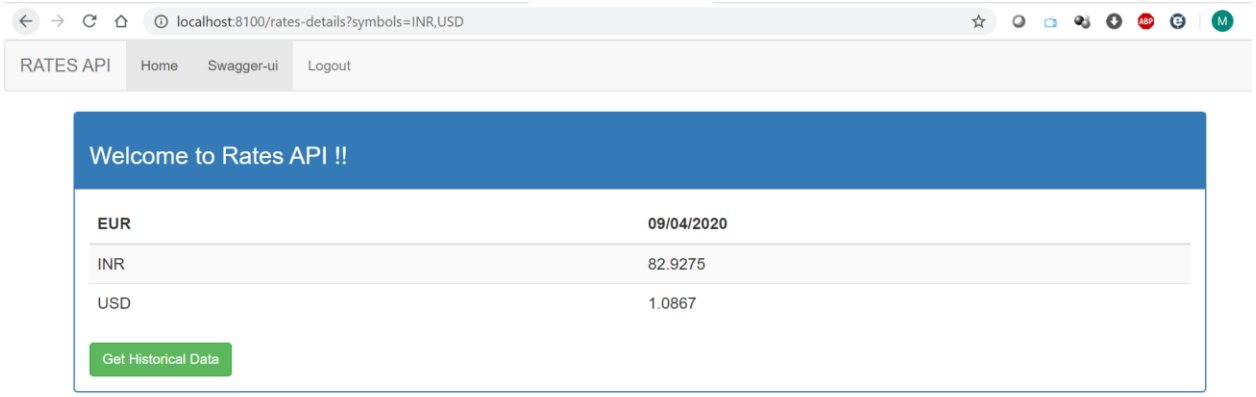


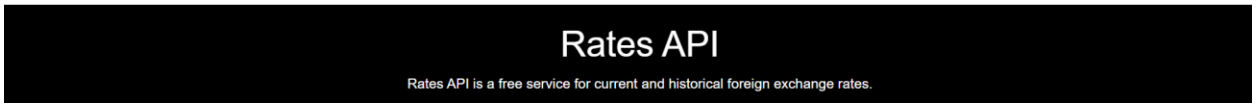
b. Endpoint with base and symbol: http://localhost:8100/rates-details?base=USD&symbols=INR



c. Endpoint with only symbol: http://localhost:8100/rates-details?symbols=INR,USD

Here base is not provided thus it will take EUR as default.





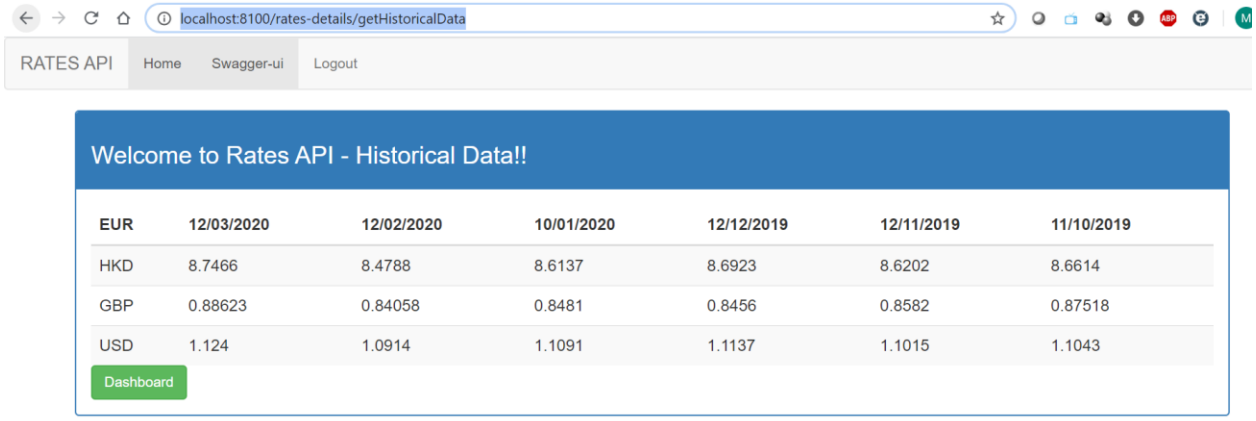
3. Historical Data

This API is flexible and scalable to change the base, symbols and months.

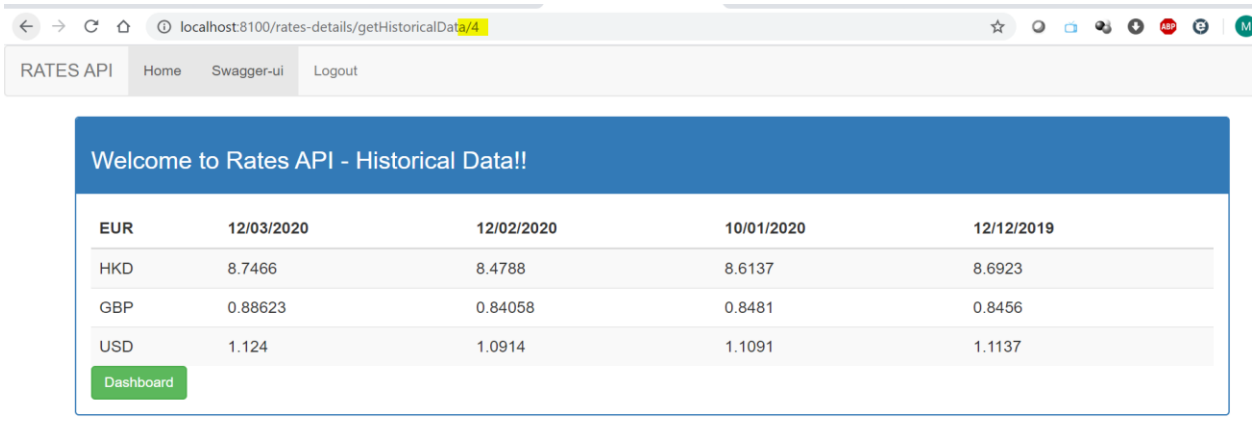
Default base : EUR

Default base: GBP,USD,HKD

a. EndPoint: http://localhost:8100/rates-details/getHistoricalData

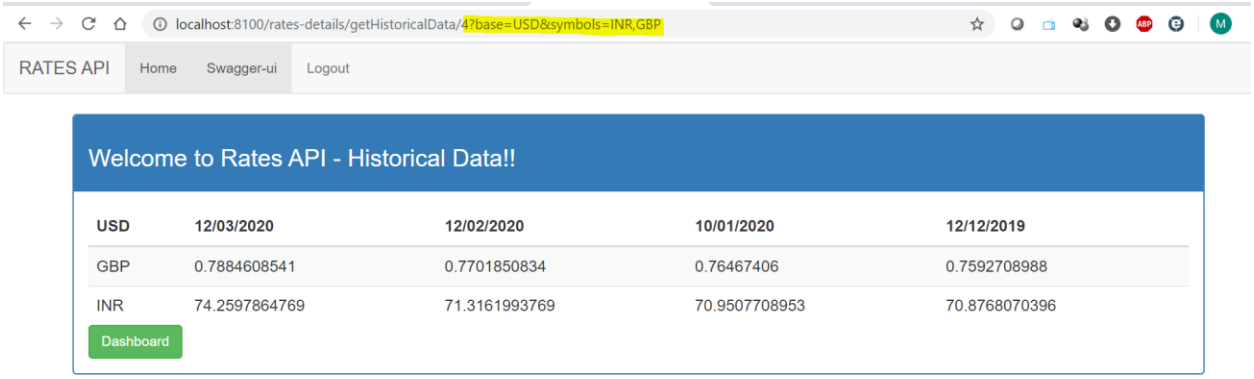


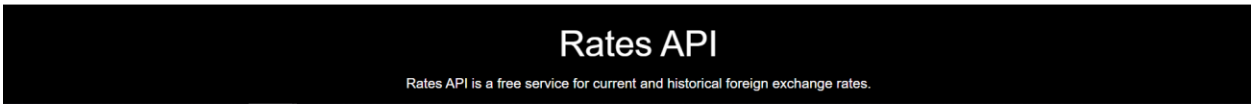
b. EndPoint: http://localhost:8100/rates-details/getHistoricalData/4



c. EndPoint: http://localhost:8100/rates-details/getHistoricalData/4?base=USD&symbols=INR,GBP

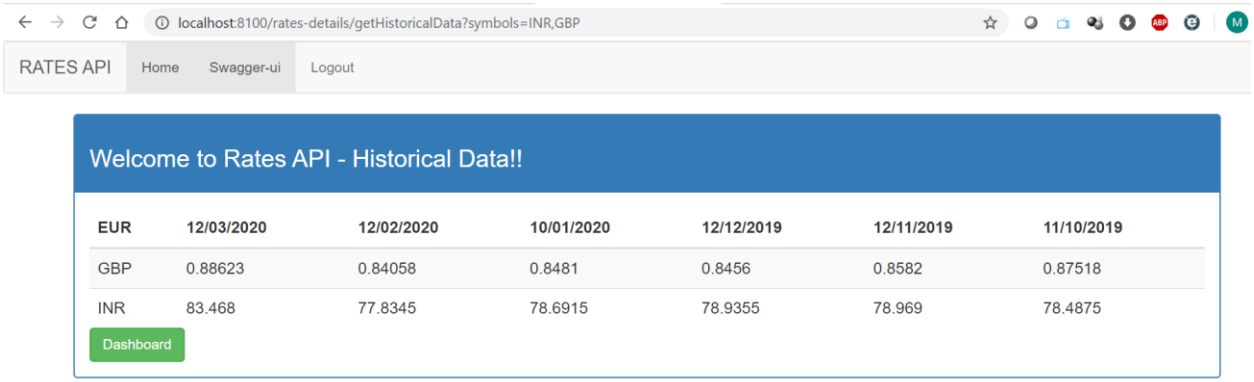
Here custom months, base and symbols are provided

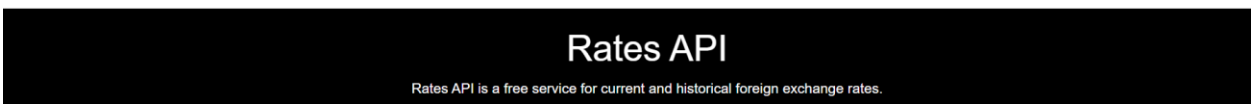




d. EndPoint: http://localhost:8100/rates-details/getHistoricalData?symbols=INR,GBP

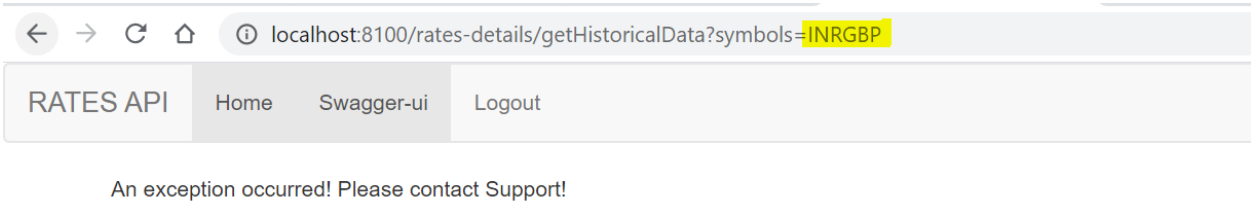
Here only symbols are provided, thus it will take default months i.e. 6 and default base i.e. EUR

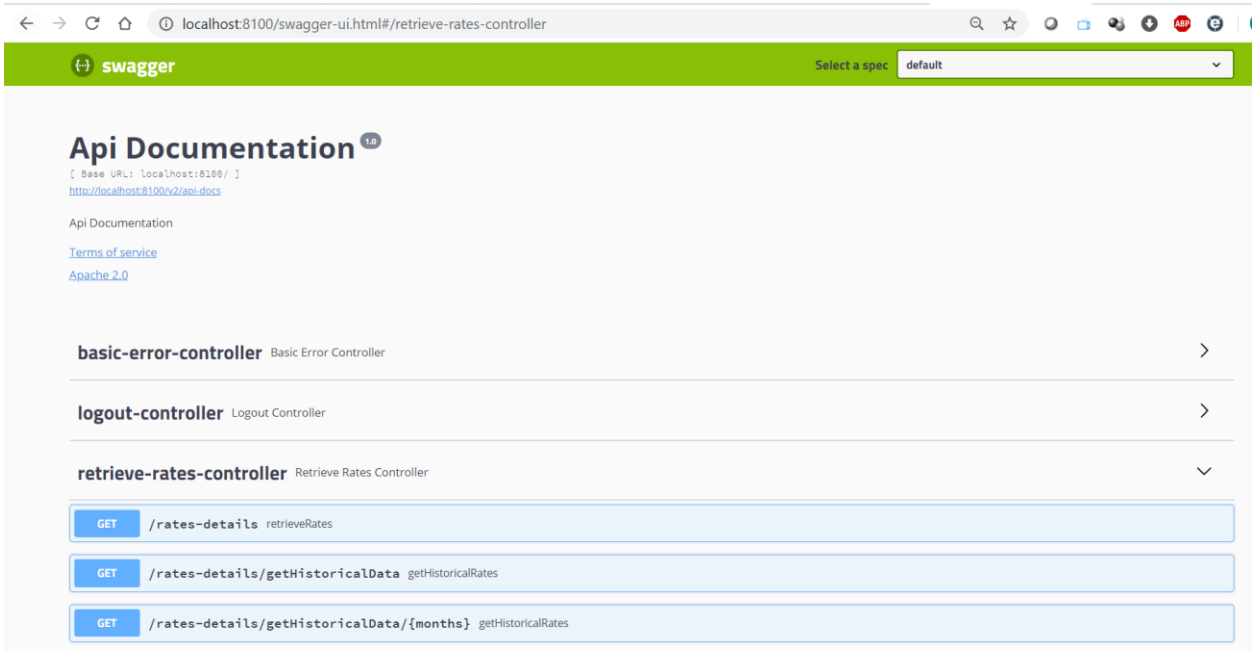




4. **Error**

   Here comma is missing between symbols and thus API call fails and customer error page is displayed.



5. SWAGGER UI

EndPoint: http://localhost:8100/swagger-ui.html