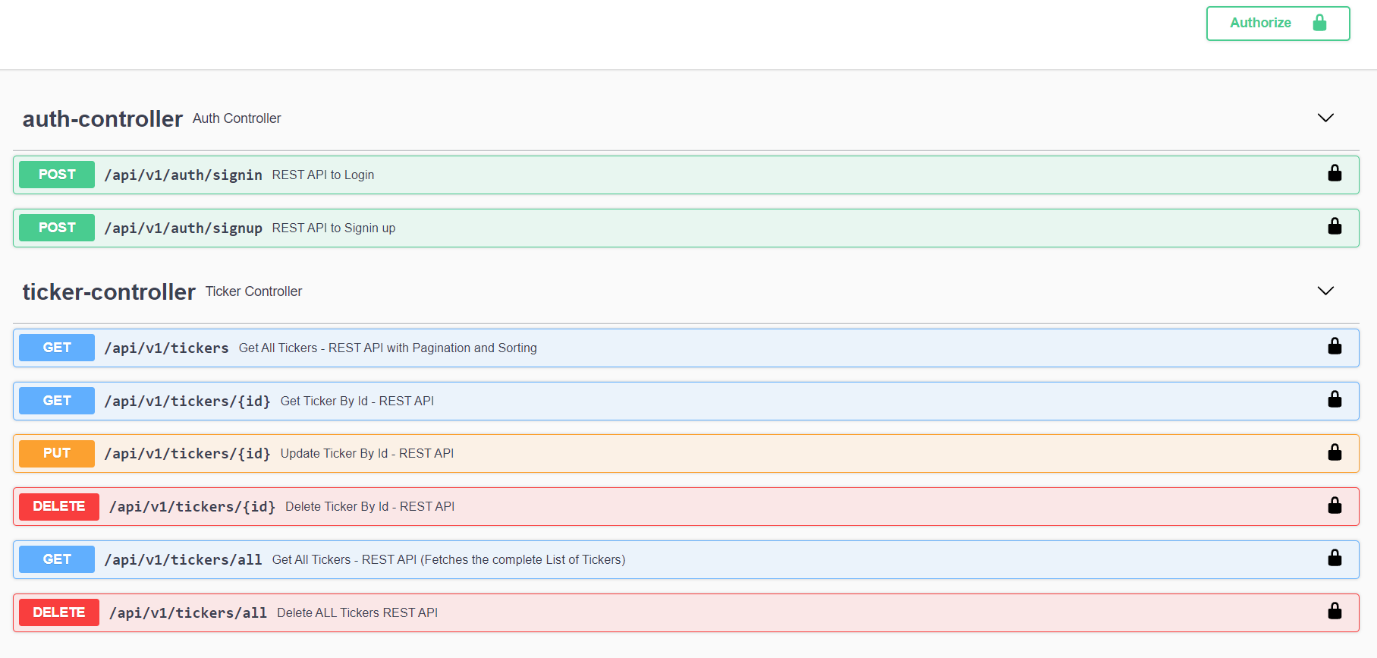
You can find the code for the assignment in the Github repository ( <https://github.com/akildiwakar/BitTickerAssignment> )

I have deployed the app to a server and you can test it out using this url ( <https://bitoasis-akil-diwakar.herokuapp.com/swagger-ui/> ).

* TickerScheduler class is responsible for triggering the job that fetches data from the API every 10 seconds.
* TickerClientService class makes a call to the given API and fetches the ticker data.
* TickerService performs all the business logic and communicates with the Repositories to persist data to the database
* Ticker Controller contains all the APIs to perform CRUD operations on the Data
* Testcase are written using mockmvc , Junit and Mockito
* I’ve Configured Log4j2 and implemented AOP for logging
* I’ve Implemented Swagger to test the API’s
* I’ve Implemented Spring Security and JWT to secure the application.
* These are the API endpoints



The get endpoints can be access directly but the PUT and DELETE enpoints are secured.

To access the secured endpoints, you can either signup using the signup endpoint

Or

sing-in using the following credentials:

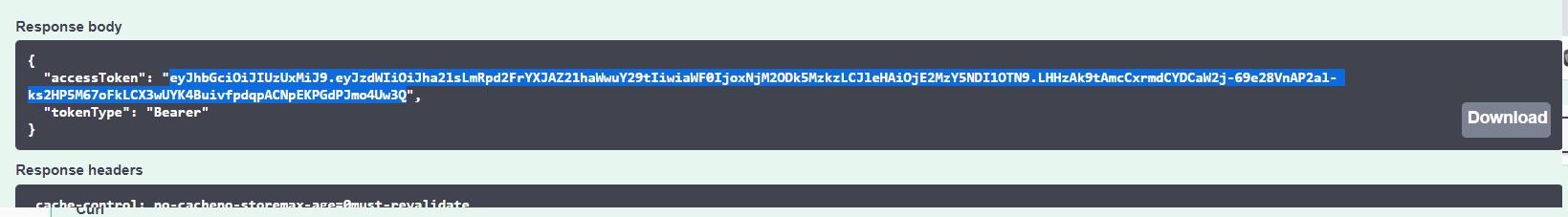
{

"password": "password",

"usernameOrEmail": "akil"

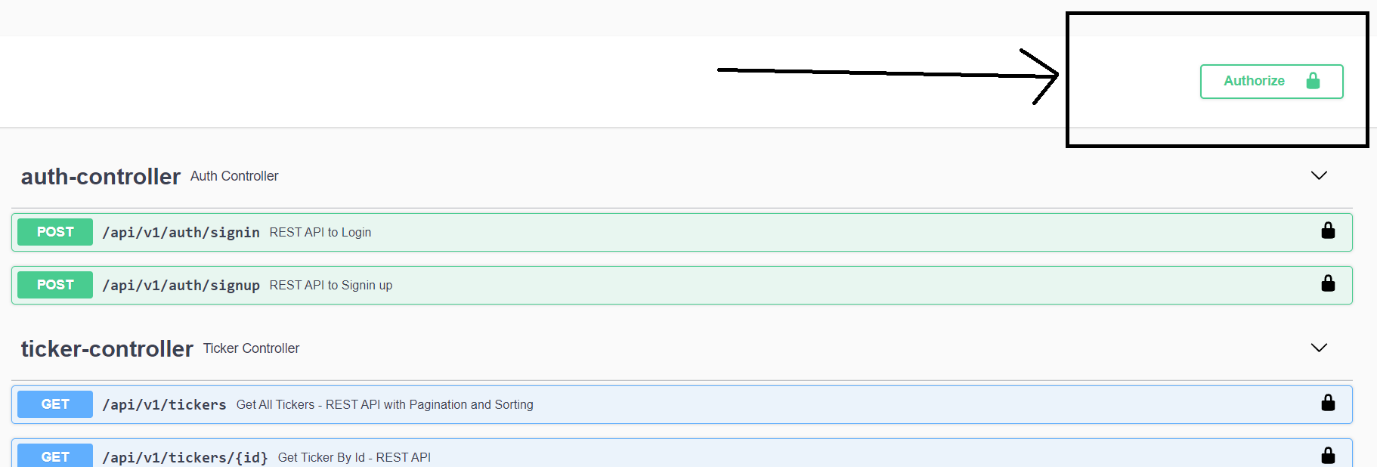
}

When you sign in, you will be provided with an Authorization token.

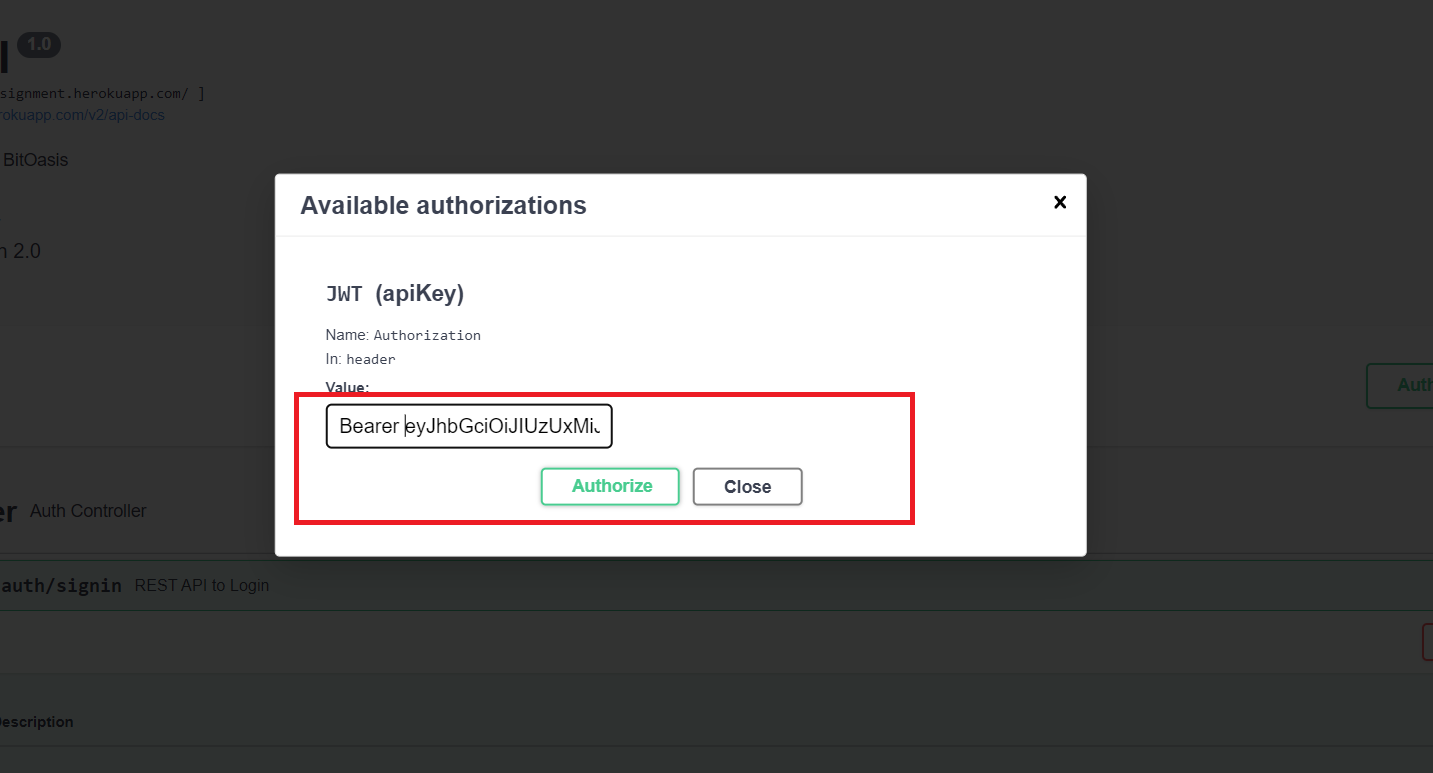


Token : eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJha2lsLmRpd2FrYXJAZ21haWwuY29tIiwiaWF0IjoxNjM2ODk5MzkzLCJleHAiOjE2MzY5NDI1OTN9.LHHzAk9tAmcCxrmdCYDCaW2j-69e28VnAP2al-ks2HP5M67oFkLCX3wUYK4BuivfpdqpACNpEKPGdPJmo4Uw3Q

Copy the token and click on the Authorize button on the top-right corner



In the pop-up window , type Bearer [space] Token and click on Authorize



Eg. Bearer eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJha2lsLmRpd2FrYXJAZ21haWwuY29tIiwiaWF0IjoxNjM2ODk5MzkzLCJleHAiOjE2MzY5NDI1OTN9.LHHzAk9tAmcCxrmdCYDCaW2j-69e28VnAP2al-ks2HP5M67oFkLCX3wUYK4BuivfpdqpACNpEKPGdPJmo4Uw3Q

After that you will be authenticated and can access all the API. The token is valid and can be reused for upto 12 hours.

Thank you for this opportunity and I am looking forward to hearing back from you.