**Developer User Manual:**

Follow all of these steps before using Envo Scholar. You may be tempted to try it out once you got the front end working but functionality will be limited.

Navigate to the NVOS-Scholar folder.

Inside you will find two folders, nvos-scholar and user\_database\_server

These folders contain all the source code you will need.

Open 3 terminals.

With the first terminal, navigate to the nvos-scholar

Run ng serve --open

This will open the Angular based front end on your browser on localhost:4200

Once you have this running you can connect to the VPN.

The reason you need this VPN is to get access to the articles database which is being hosted from a server on FIU. If you are at FIU when running the program, you do not need to sign into the VPN because you’re already on the same network.

The 2nd terminal will be used to run the MongoDB server

Check references for running MongoDB on Mac.

If you’re on Windows or another OS, I would suggest finding another video that does the same thing but on your OS. No video will be suggested as we do not know the outcomes.

Once you’ve followed the video and are you are told to enter “mongod --dbpath $MONGO\_HOME/data” (could possible be $MONGO\_HOME/bin or whatever you named the folder), you will see in the terminal a message that says “waiting for connections on port 27017”.

At this point you want to open up MongoDB Compass. Leave the default settings and click Connect. You should now see on the terminal “connection accepted from...”.

With the 3rd terminal, navigate to user\_database\_server

Run nodemon server.js

You should see “Server started on port: 3000” and “Mongodb connection succeeded

”

Now you are free to use Envo Scholar.

**“Actual User” User Guide:**

In the homepage of EnvoScholar, you are presented with a navigation bar on top that has the links Envo Scholar (will navigate you back to the homepage), Ontology (will navigate you to the Ontology), and Account (will navigate you to either the login page or your userprofile).

You are also presented with a search bar. In the search bar, you can type a search, let us say for example “contamination in the everglades”. You can hit the Submit button or press Enter on your keyboard.

You will be navigated to the displayresults page where you will be presented with a gold bar that has 6 buttons. Any one of those buttons that you press will change your search to what is specified on that button. You will see a link to compare your search query with Microsoft Academic and Semantic Scholar. You will see a Feedback button that allows you to give general feedback on the user experience of the website. You will see a Date Range section that allows you to type the years of To and From as well as a Sort section for sorting by Recency and sorting by Relevance.

Each article has its own information showing separately in a gray box. You see the article title, at most 3 authors, some of the abstract, the date it was published, and links to View PDF, Cite, Save, and Share.

When you click on one of the article titles it will navigate you to the articleinfo page. In here you see the title again, the complete abstract, all of the authors, the date it was published, the links to View PDF, Cite, Save, and Share, a section called Citations, which at the moment has dummy text because the citations are not yet implemented in the database, and a section for Concepts, which at the moment is using Keywords as a placeholder.

From any of the pages you can navigate to the Ontology or your Account. So let us start off with Account. When you click on the Account link, if you are not signed in, it will navigate you to the login page, otherwise it will take you to the userprofile. In the sign in page you can type your sign in credentials if you already have an account. Otherwise, click on the Sign Up button and fill out the boxes you create an account. Once completed, you will be prompted that the information was saved successfully. Then click on the Sign In button and type in your information and click Sign In. You will be redirected to the userprofile page.

In the userprofile page, you will see your Saved Articles, can click on the Click History Button which will redirect you to the clickhistory page. There you will see your Click History and a button for Profile which takes you back to userprofile. In the userprofile page you will also see a button called Search History. This button will navigate you to the searchhistory page which will display the Search History and a button to go back to the userprofile.

At this moment users can only logout from the userprofile, clickhistory, or searchhistory pages.

Now from any page click on the Ontology. In the Ontology page, you are displayed 2 widgets. One widget has a search box and a vertical tree. Typing something into the search box will expand the tree to show you the path to what you typed (if it is part of the Envo ontology that is). And in the other widget you can view the ontology as a tree which is interactive.