**Week 7 Status Report**

CryptNote Project

**Completed Work**

As of now, I’ve made some great progress on the CryptNote project. To achieve this, I defined a rightful custom User model by extending the AbstractUser class defined by Django web framework. I was able complete user registration and login and make a good and solid password policy for an extra layer of security.

The handling of data was boosted big time with Django ModelForms, with form validation and processing in place. I also changed the structure of these forms to work with the Custom User model so that I could integrate these forms with any custom fields as needed.

I also set up Django CSRF token protection, and made sure that all client server communication is performed securely protecting user data at all times. Furthermore, I’ve added protected routes to frontend and backend, so that we allow only authenticated users to access.

The frontend has a responsive user interface with efficient form data processing using Django form rendering and client-side validation to ensure effective handling of user data and a seamless user experience.

**Ongoing Work**

Right now, I'm working on extra database models to handle other functionalities of the system such as user log information and past note creation data.

Some items from Week 5 remain to be addressed:

* Advanced JavaScript data and features handling using asynchronous methods
* Cross browser testing
* Improving accessibility.

**Next Steps**

Moving forward, I plan to:

* Provide core features for creating and managing notes
* Prioritize cross browser compatibility on pending Week 5 tasks
* Start integrating note content encryption
* Use the custom User model to expand user profile functionality.

**Conclusion**

I’m still making progress on the CryptNote project. User authentication, data handling & security, things are set up. This leaves me positioned to ship efficiently the core features of the note taking application in the weeks to come.