

**Software Design Document -**

**UML Diagrams**

**for**

**Python Onboarding**

**For Incoming Students**

**(POFIS)**

**Version 0.1**

**Prepared by**

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**1 Activity Diagrams**

Section one provides current activity diagrams for complex use case scenarios.

**1.1 New user**

The activity diagram (figure 1) models the scenario of a new or unregistered user interacting with the POFIS system.

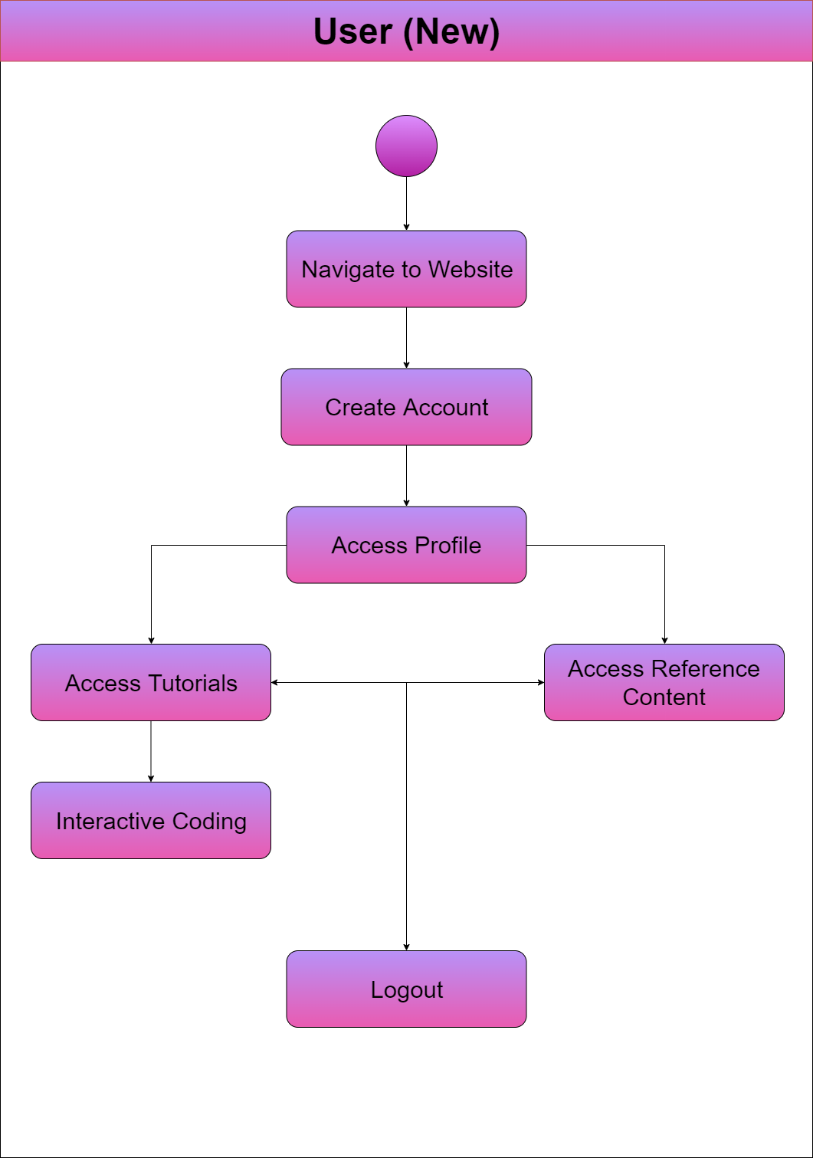
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Figure 1: New User diagram

**1.2 Registered User**

The activity diagram (figure 2) models the scenario of a registered user interacting with the POFIS system.

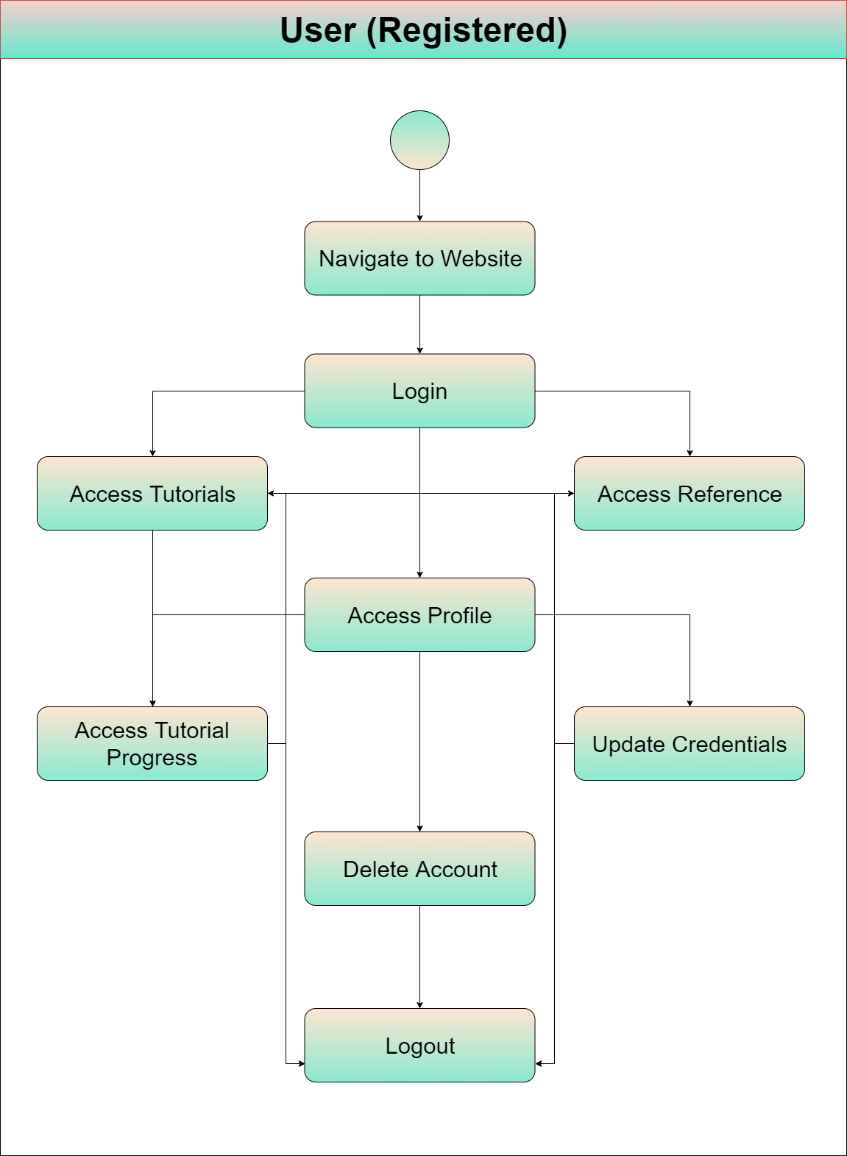


Figure 2: Registered User diagram

**2 Structural Modeling**

Section two provides the current class diagram for the system.

**2.1 Current Class Diagram**

The class diagram (figure 3) models the current structure of the POFIS system. It is expected that this structure may need to be modified during the process of coding.

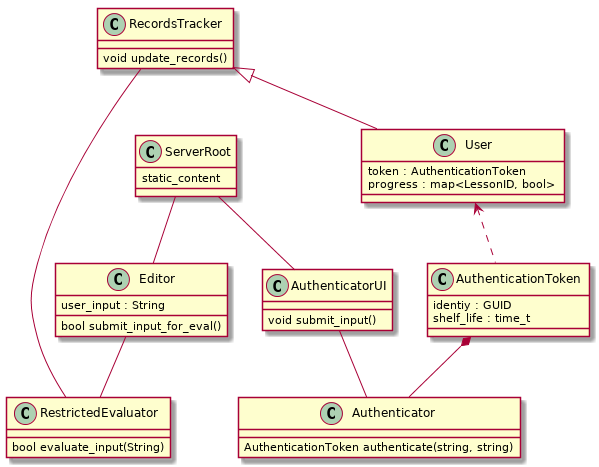


Figure 3: Class diagram

**3 Behavioral Modeling**

Section three provides the current state diagram for the POFIS system.

**3.1 Current Behavioral Diagram**

The state diagram (figure 4) represents the current structure of the POFIS system. It is expected that the structure may change during the process.

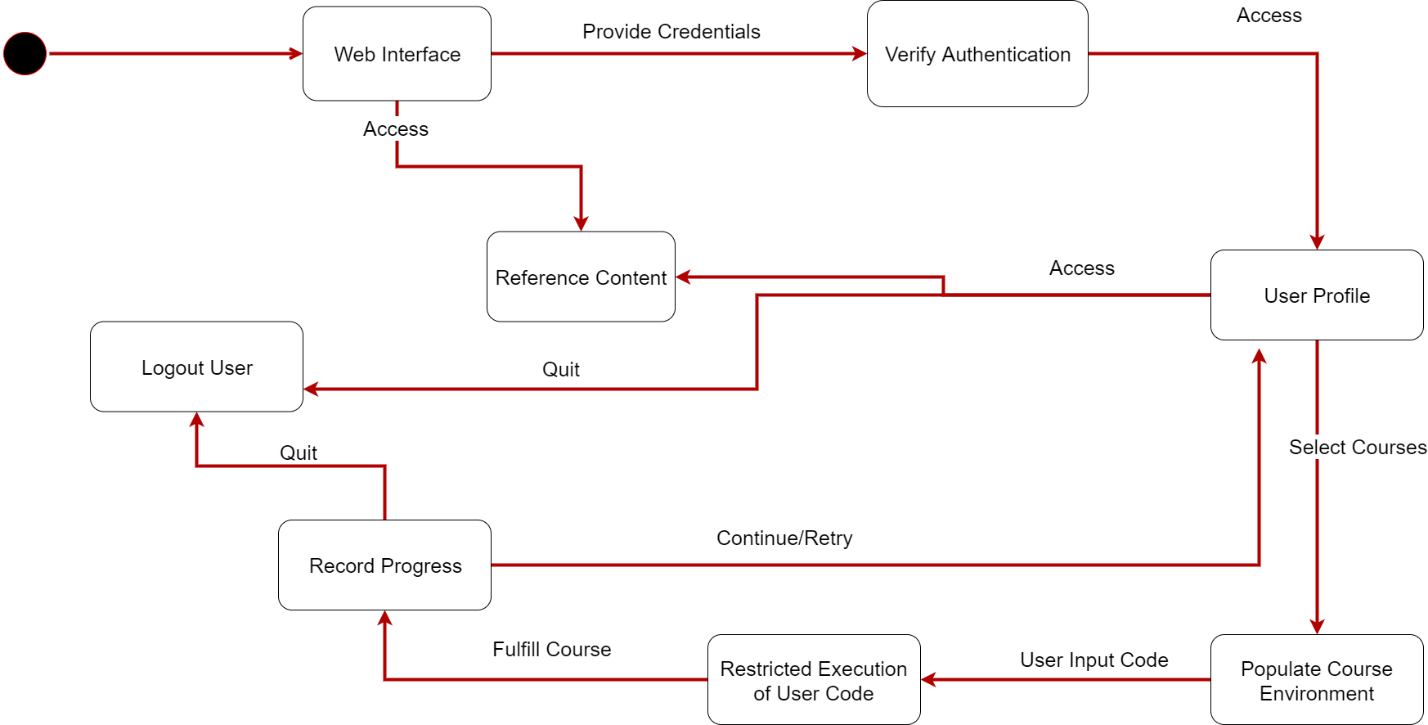


Figure 4: Behavioral diagram