UML ultra modular learning

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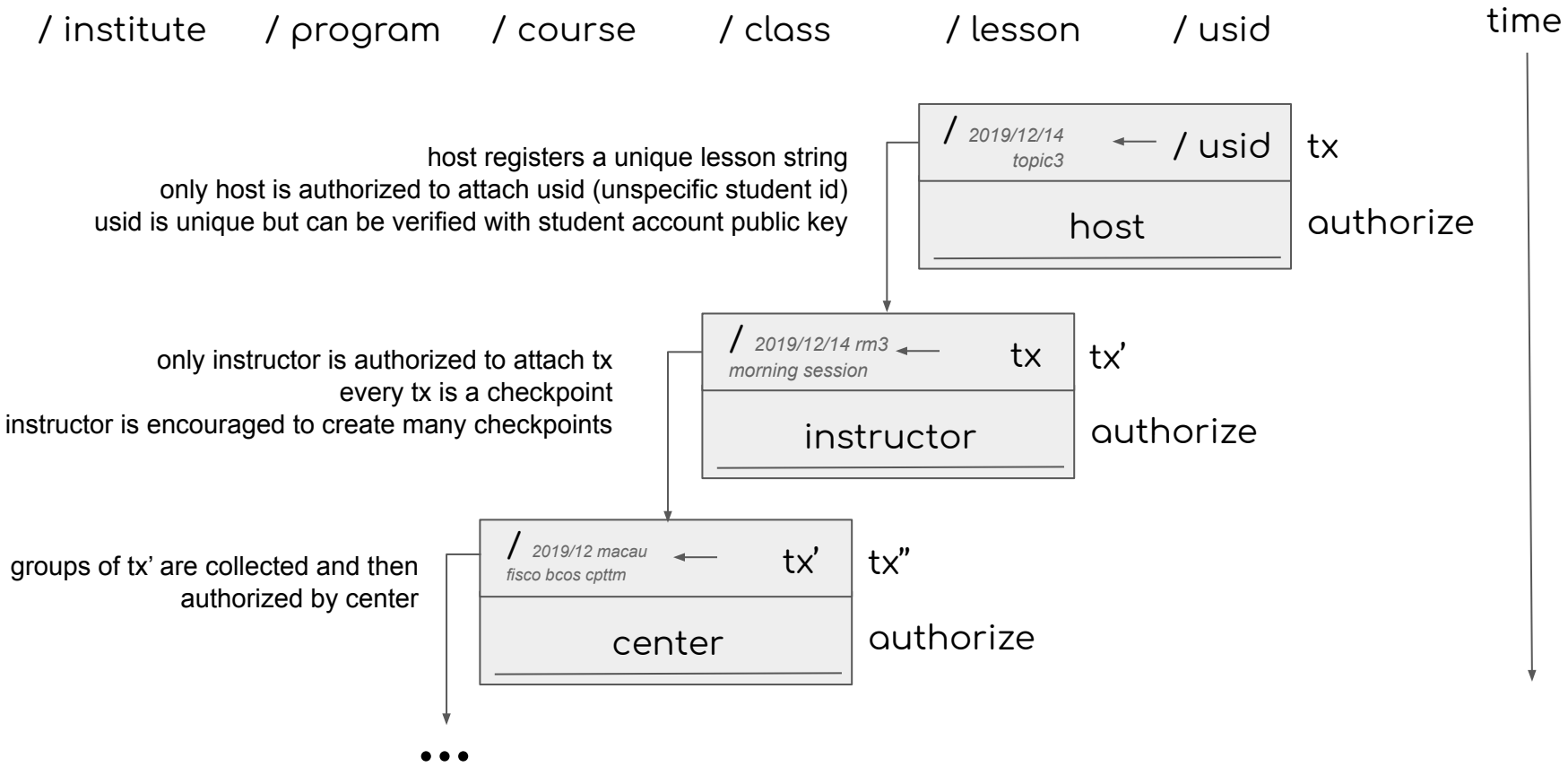

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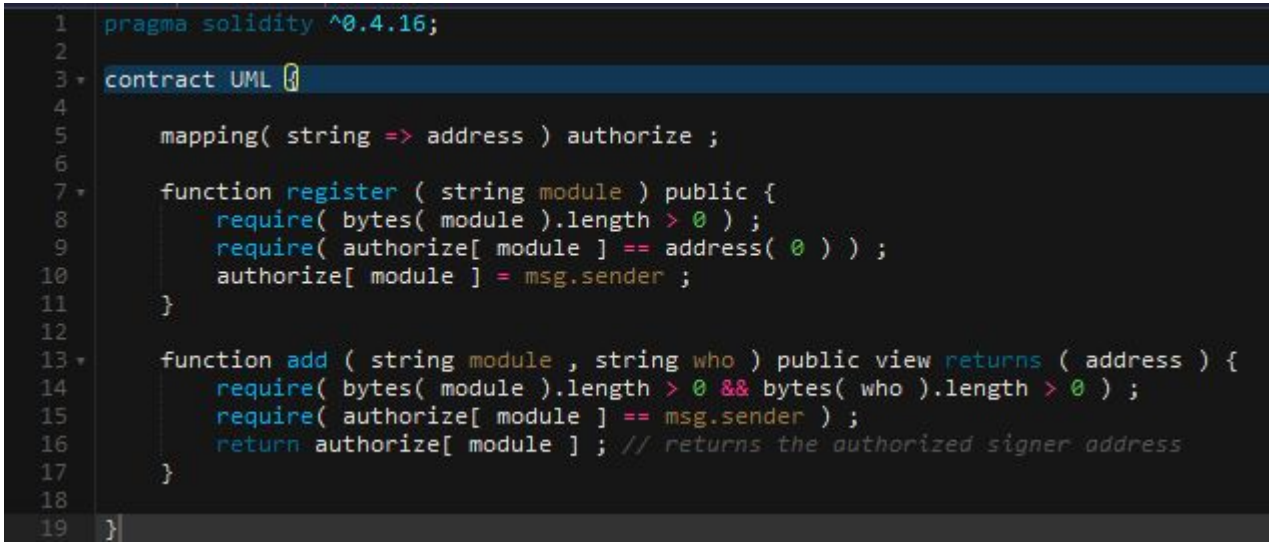

```
pragma solidity ^0.4.16;

contract UML {

    mapping( string => address ) authorize ;

    function register ( string module ) public {
        require( bytes( module ).length > 0 ) ;
        require( authorize[ module ] == address( 0 ) ) ;
        authorize[ module ] = msg.sender ;
    }

    function add ( string module , string who ) public view returns ( address ) {
        require( bytes( module ).length > 0 && bytes( who ).length > 0 ) ;
        require( authorize[ module ] == msg.sender ) ;
        return authorize[ module ] ; // returns the authorized signer address
    }

}
```