

# SAMS Project

## *Test Plan*

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**Test Plan**

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**Test Objectives**

*The objective of the tests are to validate user input so that we can ensure effective and secure login practices.*

**Types of tests**

*We will be using user validation input testing.*

**Test methods and techniques**

*For this, we can use HttpUnit to submit our tests. With this, we can automate most of the tasks. We know our inputs and our expected outputs. If our inputs and expected outputs don't match, we will know that we have a problem in our code.*

**Test cases**

Test Case	Login ID	Password	Expected Outcome
1	Valid	Valid	display student portal
2	Valid	Invalid	display error and stay on login page
3	Valid	Exceptional	display error and stay on login page
4	Invalid	Valid	display error and stay on login page
5	Exceptional	Valid	display error and stay on login page
6	Exceptional	Exceptional	display error and stay on login page

**Test coverage criteria**

*The tests will cover valid, invalid, and exceptional input of all user input fields. All fields are required to pass testing in order to meet requirements*

**Documents needed**

*We will require documents for use cases as well as UML models of the SAMS project. These will be useful for drafting our test case scenarios. We could also use our identified input values, expanded use case, current test cases, and test case data.*

**Required resources**

*We will require access to the current LDAP system employed on campus to create a functional dummy account to test our SAMS project.*

**Effort estimation**

*Since most of the testing can become automated and implemented into the other development phases of the project, I would estimate no more than an hour or two to write / implement tests for UC04.*