

Name of Requirement	Description	Source	Measure/Metric	Testability Plan	Acceptance Criteria
Process Completion	The back-end system shall integrate student data from Salesforce to HireSmith.	Jeff Stoltzfuz	Error rate	The process automation technology set up will work as scheduled without failure	If the automation software used runs for an entire week without failure
Data Integration	Newly designed DBMS queries shall adhere to the pre-existing database schema design.	Jeff Stoltzfuz	DDL uniformity	Test queries which run successfully between the present tables and the newly developed ones	5 DBMS test queries run successfully for each newly developed table
Code Development & Maintenance	Scripts/code which will include clear, comprehensive comments outlining the purpose and functionality of each segment. In addition to that, the scripts shall utilize the REST APIs within the scope of the present user-facing software tools for the integration processes.	Jeff Stoltzfuz, Tharun Kumar Reddy	Code review feedback, least number of API call	1. Script running successfully by the process automation technology 2. Total number of API calls should not exceed the maximum no. of API calls allowed by current software tool vendors.	No traceback should be reported when running the scripts. Client satisfaction upon feedback.
Performance	Integration processes shall complete within a defined time frame.	Jeff Stoltzfuz	Time taken	Recorded run-time	Run-time doesn't exceed the pre-existing standard of other codes
Usability	1. Any logs or error messages generated by the system should be easily understandable and actionable. 2. Maintenance procedures should be clearly documented to facilitate ease of use for technical personnel.	Tharun Kumar Reddy	Clarity Score	Error logs match up with client's understanding of the project	The error messages are accurate and easy to understand by the code developer.

Collaboration & Version Control	1. The system shall allow for seamless collaboration between the code developer of OCS and the project team. 2. All developed components must be version-controlled using GitLab.	Tharun Kumar Reddy	Error rate	Integrated code	The version control is running smoothly without any failure
Data Consistency	Data uploaded to HireSmith is consistent with the data which came in from Salesforce.	Jeff Stoltzfuz	Consistency score	Test script for validating updated data	Data matching