1.3 Identifying test approach for chosen attributes.

1. Security: To test the security of the API, penetration testing and security scans can be performed to identify potential vulnerabilities.
2. Performance: To test the performance of the API, load testing and stress testing can be performed to determine the maximum load the API can handle.
3. Reliability: To test the reliability of the API, functional tests can be conducted to verify that the API delivers the correct results with a low rate of errors and failures.
4. Usability: To test the usability of the API, user experience testing can be performed, including both qualitative and quantitative methods, such as surveys and task completion metrics.
5. Maintainability: To test the maintainability of the API, code quality analysis can be performed to determine the readability and adherence to coding standards.
6. Test coverage: To test the test coverage of the API, code coverage analysis can be performed to determine the extent to which the system is tested and the quality of the tests.