In order to validate the correct functionality of MIPMap the listed Test Scenarios were executed that fulfill the following requirements. The steps for each test, the data sets used, expected and actual results are described in detail in the file ‘MIPMap - Test Cases’ that accompanies this file.

**Requirements:**

1. Load schemata and data from csv files and relational input
2. Generate TGD rules according to the correspondences defined by the user
3. Export translated instances
4. Save and load already defined mapping tasks

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| --- | --- | --- |
| **Scenario Id** | **Test Scenario** | **No of test cases** |
| S001 | Verify that MIPMap correctly loads user input | 8 |
| S002 | Validate the definition of different correspondences between schemata | 13 |
| S003 | Validate the definition of selection conditions and duplications on a schema table | 7 |
| S004 | Validate saving / loading of a mapping task | 5 |
| S005 | Validate TGD generation | 21 |
| S006 | Validate data exchange process | 15 |
| S007 | Validate Scenarios handling | 5 |
| S008 | Validate pre-processing functionalities | 5 |

In order to validate the performance and efficiency of MIPMap schema mapping and data exchange tool the tests described in ‘MIPMap - Performance Tests’ file were executed. The data sets used for these tests are not included due to size reasons, but are available if asked.