Case Study
Requirements Verification Traceability Matrix (RVTM)

Req. ID	Requirement Description	Verification Method	Acceptance Criteria	Test Case ID
REQ_1001	While using the e-scooter, technical data for range shall be available for the customer by a mobile app.	Test	Technical data for range is shown in the mobile app.	TC_001
REQ_1002	The e-scooter should weight 19,5 kg to ensure easy portability.	Analysis, Inspection	Simulation shows a first weight indication of 19,5 kg. Weight of the e-scooter after final assembly is 19,5 kg.	TC_002
REQ_1003	Under normal conditions, the e-scooter should be charged in 2 hours.			TC_003
REQ_1004	At the time of the purchase while driving fullspeed the noice level of the e-scooter shall be less than 40 db.			TC_004
REQ_1005	The e-scooter should be able to transport men and women from 14-60 years.			TC_005
REQ_1007	The e-scooter must have built-in anti-theft mechanisms in the form of a GPS tracker that transmits its location every second.			
REQ_1008	In normal use, the e-scooter should travel 10,000 km before major parts need to be replaced.			

Verification Method: Analysis, Inspection, Test