**QA Test Cases for Front-end and Back-end Front-end Test Cases +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | ID | Test Case | Description | Expected Result | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | F1 | Navigation and Access | Verify correct loading of home page and | All pages load correctly, links work as expected | | | | functionality of main links | | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | F2 | Product Exploration | Test navigation through different types of | Users can view details and benefits of all products | | | | microinsurance products | | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | F3 | Insurance Quote | Simulate the process of getting a quote for | Quote is generated correctly based on user input | | | | microinsurance | | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | F4 | Purchase Process | Validate the complete purchase process | User can input personal data, select payment method, | | | | | and confirm purchase | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | F5 | Error Validation | Check error messages for incorrect or | Appropriate error messages display for invalid | | | | incomplete data in forms | inputs | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | F6 | Cross-browser | Execute tests on different browsers | Application functions consistently across all | | | Compatibility | | tested browsers | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ Back-end Test Cases +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | ID | Test Case | Description | Expected Result | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | B1 | Schema Validation | Verify API response structure | Response matches expected schema (data types, | | | | | required fields, formats) | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | B2 | Positive Cases | Test valid API requests with various | API returns expected responses for all valid inputs | | | | parameter combinations | | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | B3 | Negative Cases | Test API with invalid parameters | API handles errors gracefully (400, 401, 404, 500 | | | | | status codes) | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | B4 | Error Handling | Evaluate API response to invalid inputs or | Clear and detailed error messages provided | | | | limit situations | | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | B5 | Basic Performance | Measure API response times under normal and | Response times are acceptable and consistent | | | | moderate load | | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | B6 | Authentication | Test API access with valid and invalid | Proper access granted/denied based on authentication | | | | authentication | status | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | B7 | Rate Limiting | Verify API behavior when request limit is | API enforces rate limits and provides appropriate | | | | exceeded | responses | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ | B8 | Data Consistency | Check consistency of data returned by | Data is consistent across related API calls | | | | different endpoints | | +----+-------------------------+-----------------------------------------------+------------------------------------------------------+ Note: For the back-end tests, ensure to adapt these general cases to the specific endpoints and functionalities of the chosen public API.| B7 | Rate Limiting | Verify API behavior when request limit is exceeded | API enforces rate limits and provides appropriate responses |**

**| B8 | Data Consistency | Check consistency of data returned by different endpoints | Data is consistent across related API calls |**

**Note: For the back-end tests, ensure to adapt these general cases to the specific endpoints and functionalities of the chosen public API.**