1. Actors of the Online Tailor-Made System:

* End Customers:

**-) Objective**: To customize and order tailor-made products.

**-) Interaction:** Access the platform, customize products, place orders, provide feedback.

**-) Requirements/Constraints:** User-friendly interface, secure payment options, clear customization options.

* System Administrators:

**-) Objective:** Manage the platform, oversee operations, handle technical issues.

**-) Interaction:** Monitor system performance, manage user accounts, update software.

**-) Requirements/Constraints:** Access to backend functionalities, security protocols, system maintenance.

* Tailors/Manufacturers:

**-) Objective:** Receive and fulfil orders.

**-) Interaction:** Access order details, produce customized products, update order status.

**-) Requirements/Constraints:** Clear order specifications, communication channels with customers, production tracking.

* Customer Service Representatives:

**-) Objective:** Assist customers with inquiries, issues, or complaints.

**-) Interaction:** Respond to customer queries, resolve disputes, provide assistance

**-) Requirements/Constraints:** Access to customer data, communication tools, knowledge base.

2. Test Basis:

The test basis includes:

* **Requirement Specifications:** Document outlining system requirements.
* **Design Documents:** Blueprints detailing system architecture and functionalities.
* **User Stories**: Narratives describing user interactions with the system.
* **Use Case Scenarios:** Detailed descriptions of various system use cases.
* **Test Cases:** Scripts outlining steps to test specific functionalities.
* **Prototype/Software Build**: Version of the system for testing purposes.

3. Components of the System to be Tested:

1. **User Authentication and Authorization:** Handles user login, registration, and access control.

2. **Product Customization Configurator:** Allows users to customize products according to their preferences.

3. **Order Management System:** Manages orders from placement to fulfilment.

4. **Payment Gateway Integration:** Facilitates secure online payments.

5. **Feedback and Review System:** Enables users to provide feedback and reviews on products and services.

4. Test Roles:

1. **Test Manager:**

* Responsibilities: Planning, coordinating, and overseeing the testing process. Allocating resources, managing timelines, and reporting.

2. **Test Engineer:**

* Responsibilities: Designing and executing test cases, identifying defects, collaborating with developers, and ensuring test coverage.

3. **Automation Engineer:**

* Responsibilities: Developing and maintaining automated test scripts, executing automated tests, and ensuring test reliability.

4. **UX/UI Tester:**

* Responsibilities: Evaluating user interface design, conducting usability testing, and ensuring a seamless user experience.

5. **Security Tester:**

* Responsibilities: Assessing system vulnerabilities, performing penetration testing, and ensuring data security compliance.