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| **Use Case Name:** Take measurement of clothes | | **ID:** UC-2 **Priority:** High | |
| **Actor:** Customer, System | | | |
| **Description:** The customer while placing an order specifies his/her measurements of various body parts. The system stores the value in database to dynamically allot price for the customer order. | | | |
| **Trigger:** Customer needs to give measurements of the outfit he/she wants.  **Type:** External | | | |
| **Preconditions:**   1. The customer credentials are authenticated. 2. Customer selects the design. 3. The material datastore is online. 4. The customer has already selected cloth type and cloth color. | | | |
| **Normal Course:**   1. Customer gives cloth measurements while ordering 2. Customer moves to next window after selecting cloth type and cloth color. 3. The system displays various measurements fields for user to input details. 4. The user fills the details of its measurements like neck, arm, waist, legs, etc. (Alternative 1.1) 5. The system validates the details of values entered by the customer. 6. The user specifies any customization she wants like piping, doris, etc. in the comment section. 7. The system stores the data into database once validated the inputs to predict the price in future. 8. The system notifies the Cloth Warehouse to keep the necessary amount of cloth ready for stitching. | | **Information for Steps:**   1. Measurement fields page 2. Input measurement fields 3. Validation result popup 4. User input section 5. Storage successful 6. Cloth measurement details transferred | |
| **Alternative Course:**  1.1 The customer interacts with the pictorial figure to give measurements.   1. The system displays picture of hand, neck, waist etc. for user to get the actual idea of the fitting of cloth. 2. The customer responds to dummy figure which changes its shape according to input value of customer. 3. The system validates its appropriateness. 4. The user specifies any customization she wants like piping, doris, etc. in the comment section. 5. The system stores the data into database once validated the inputs to predict the price in future. 6. The system notifies the Cloth Warehouse to keep the necessary amount of cloth ready for stitching. | | 1. Measurement fields input page 2. User input of measurements 3. Validation result 4. User comment section 5. Storage successful | |
| **Postconditions:**   1. The user selects the delivery mode of the final product. 2. The measurement values are stored in Tailoring database | | | |
| **Exceptions:**  E1: The input fields are invalid   1. The customer enters a non-numeric value 2. The system displays the message” one or more fields are not valid.” 3. The system asks the user to enter numeric values in the measurement fields.   4a. The user enters numeric values in the field.  5a. The system starts the normal course again.  4b. The user fails to input correct values.  5b. The system asks to exit.  6b. The system terminates the use case. | | | |
| **Summary Inputs** | **Source** | **Outputs** | **Destination** |
| Measurement values  Comments section | Customer  System | Notification message | System  Data store  Warehouse |