**Task 02:**

**Title:**

Kasheer Shawls – E-commerce Platform (SDLC Implementation)

**Group Members’ Names & Roll Numbers:**

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**Objective:**

The objective of this task is to select a suitable Software Development Life Cycle (SDLC) model for the "Kasheer Shawls" e-commerce project, justify the selection, design the SDLC flow, and map it with the Project Life Cycle (PLC) phases.

**Approach/Solution:**

**Chosen SDLC Model**: Agile Model  
**Justification**:

1. Flexibility: Agile allows adapting to changing customer needs and evolving market trends.
2. Faster Delivery: The minimum viable product (MVP) can be launched quickly to start getting customer feedback.
3. Continuous Improvement: Regular iterations help improve the platform by adding features like secure payment, reviews, and live chat over time.
4. Customer-Centric: Agile ensures that real user feedback is incorporated continuously for better user experience.

**SDLC Flowchart for Kasheer Shawls (Agile Model)**:

Start → Gather Requirements → Plan Sprint → Develop Feature → Test Feature → Deploy Feature → Collect User Feedback → Adjust Plan → Next Sprint → (Repeat) → Final Deployment

**Tools Used**:

1. Figma (for design iteration during sprints)
2. WordPress with WooCommerce (for incremental development)
3. Trello (for sprint planning and task tracking)

**Process**:

1. Initiated with a focus on minimum features (basic shop setup, product pages, checkout).
2. Gathered initial requirements from research and target audience preferences.
3. Planned 2-week sprints for feature development and improvements.
4. Emphasized user feedback collection after each sprint for adaptive changes.

**Outputs:**

i. SDLC Flowchart diagram illustrating Agile process steps.  
ii. Mapping of Project Life Cycle (PLC) with SDLC phases.  
iii. Basic Sprint Plan sample including feature priorities (MVP first, additional features later).

**Schedules:**

i. Overall Timeline: 3–4 months, aligned with Agile iterations (sprints of 2 weeks each).  
ii. Sprint Planning and Review Meetings scheduled every 2 weeks.

**Estimations:**

i. Estimated Launch: After 6–7 sprints (approx. 3–4 months).  
ii. Budget Estimate: Initial development cost + marketing budget planned based on sprint deliverables.

**Reflection:**

Through this task, we learned the importance of choosing a flexible development model that matches project needs. Agile enables efficient project management, better product quality through user feedback, and quicker time-to-market — all critical for a successful e-commerce startup like "Kasheer Shawls."