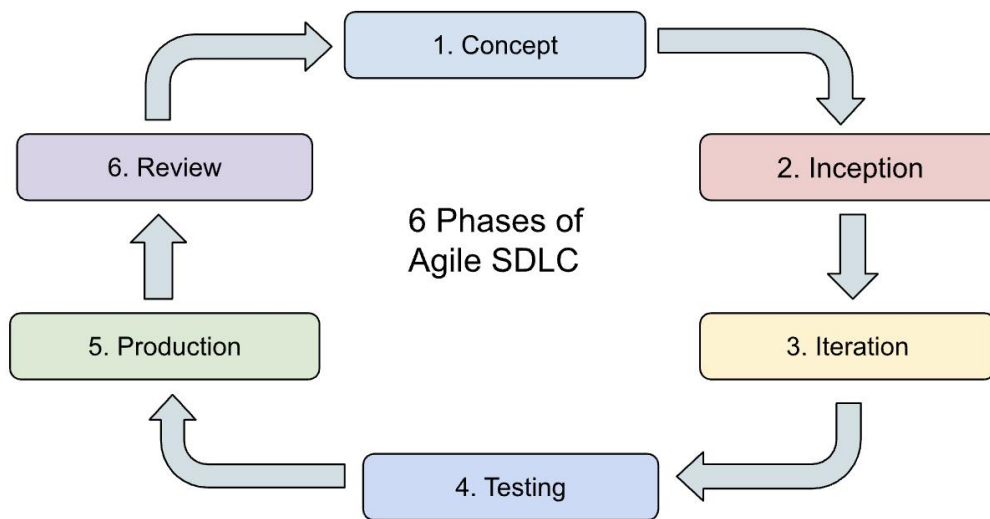


# Creating a Bike using Agile Module

An "Agile module" typically refers to a discrete unit of functionality or a component within a software development project that is developed using Agile methodologies. In Agile software development, projects are broken down into smaller, manageable modules or increments of work, often referred to as "user stories" or "features." Each module is developed iteratively and incrementally, with a focus on delivering working software in short timeframes, typically in two to four-week cycles called sprints.



## Product Vision and Backlog Creation:

Define the vision for the bike (e.g., lightweight commuter bike, rugged mountain bike, etc.).

Create a product backlog containing all the features, components, and functionalities needed for the bike.

## Sprint Planning:

Select items from the product backlog for the first sprint.

Break down these items into smaller tasks.

Estimate the time and effort required for each task.

## Sprint Execution:

Develop the bike components and features according to the tasks identified in the sprint backlog.

Hold daily stand-up meetings to discuss progress, roadblocks, and adjustments.

## **Testing and Review:**

Test each component and feature as they are completed.

Conduct reviews to ensure that the bike meets the desired specifications and quality standards.

## **Sprint Review and Retrospective:**

Demonstrate the completed work to stakeholders.

Gather feedback and incorporate it into future sprints.

Hold a retrospective meeting to discuss what went well, what could be improved, and any adjustments needed for the next sprint.

## **Iterative Development:**

Repeat the sprint cycle, continuously adding new features and improvements based on feedback and changing requirements.

Prioritize backlog items based on customer needs and market trends.

Throughout the process, communication and collaboration among team members are crucial. Agile emphasizes flexibility, adaptability, and continuous improvement, allowing you to refine the bike design and functionality iteratively based on user feedback and changing market conditions.

## **Sprint 1: Frame Design and Material Selection**

Task 1: Research and select frame design options.

Task 2: Research and select appropriate materials for the frame.

Task 3: Prototype frame design.

Task 4: Test frame prototype for durability and performance.

## **Sprint 2: Component Selection and Integration**

Task 1: Research and select components such as brakes, gears, wheels, etc.

Task 2: Procure selected components.

Task 3: Integrate components into the frame.

Task 4: Test bike for functionality and safety.

### **Sprint 3: Fine-tuning and Testing**

Task 1: Fine-tune components for optimal performance.

Task 2: Conduct rigorous testing under various conditions (e.g., terrain, weather).

Task 3: Gather feedback from test riders.

Task 4: Make necessary adjustments based on feedback.

### **Sprint 4: Finalization and Launch Preparation**

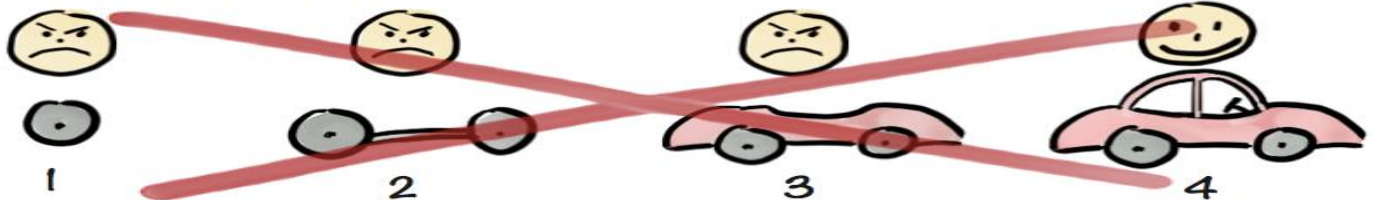
Task 1: Finalize design elements (e.g., color scheme, branding).

Task 2: Prepare marketing materials and documentation.

Task 3: Conduct final quality assurance checks.

Task 4: Launch the bike to the market.

**Not like this....**



**Like this!**

