Verification ensures that the software meets specified requirements and adheres to set standards and guidelines. This involves activities like reviews, inspections, walkthroughs, and testing of software artifacts to confirm alignment with requirements and design specifications.

For ShopEase, verification activities include reviewing the software requirements document to ensure all functional and non-functional requirements are clearly defined, conducting unit tests to verify individual components' performance, and performing code reviews to identify and fix defects.

Validation, on the other hand, ensures that the software satisfies its intended use and meets stakeholders' needs. It involves testing the software in real-world scenarios to verify user requirements, expectations, and business objectives.

In the case of ShopEase, validation activities include system testing to verify correct functionality from an end-user perspective, acceptance testing to validate stakeholders' needs and expectations, testing in different environments and configurations for compatibility, and performance testing to ensure reliable performance under expected loads.