SOFTWARE QUALITY

presented by
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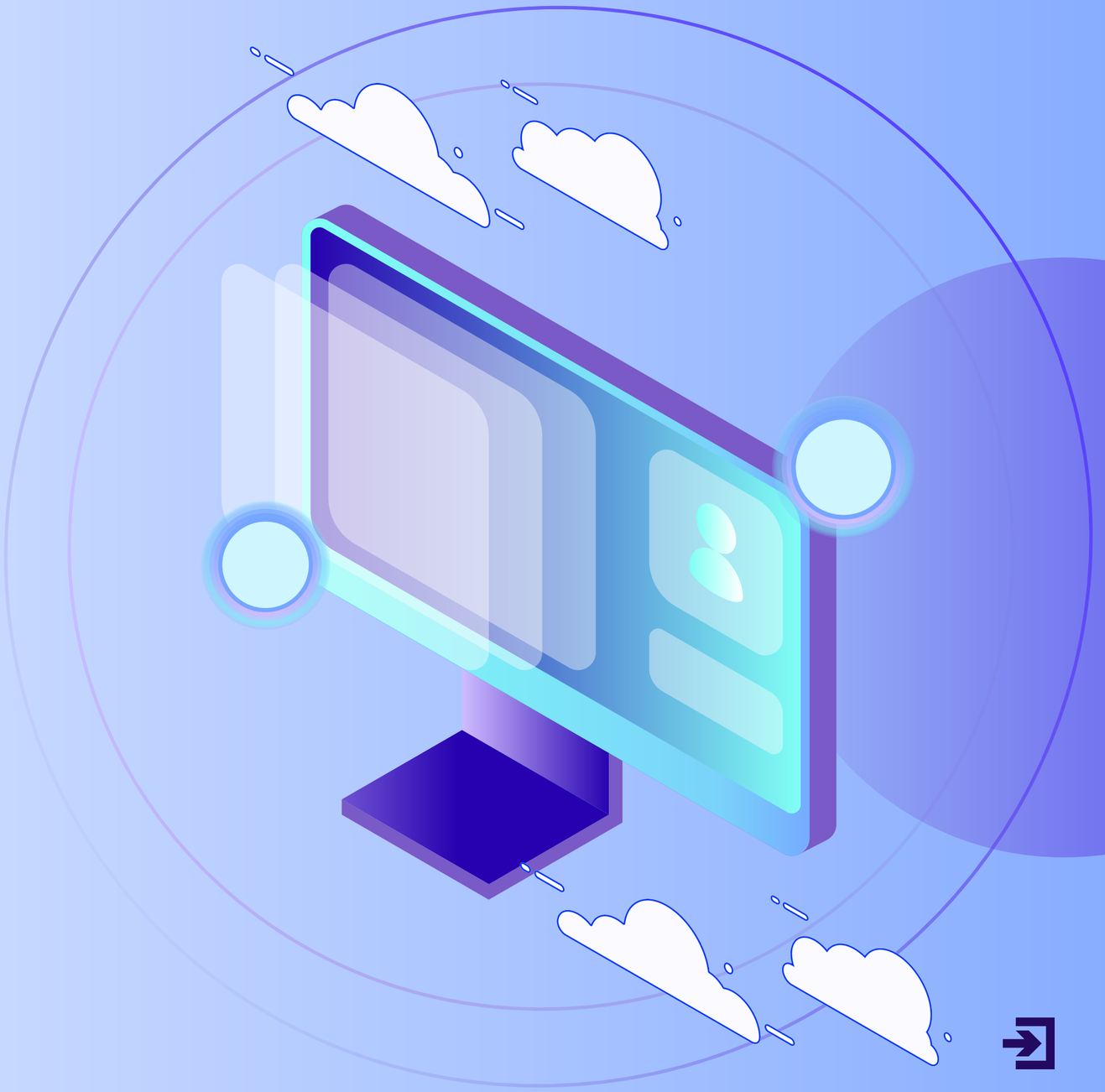
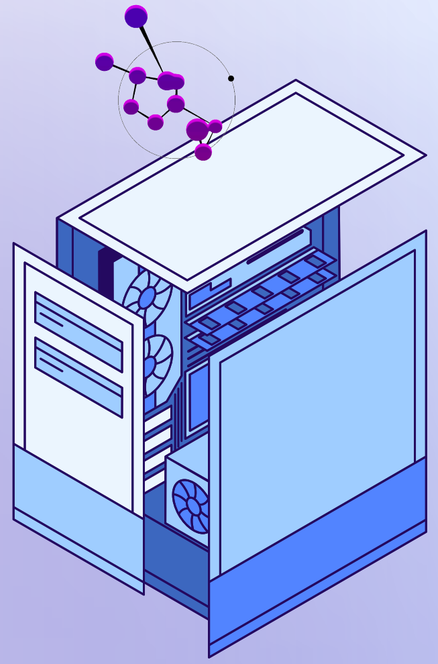
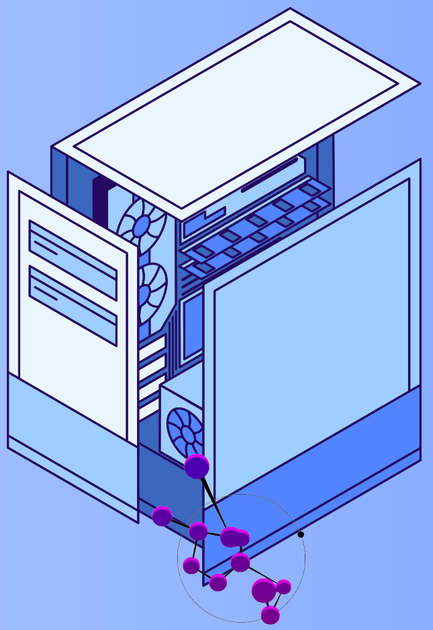


WHAT IS SOFTWARE?



Software is a collection of instructions, data, and programs that a computer uses to perform specific tasks. Unlike hardware, which refers to the physical components of a computer, software is intangible and operates as the brain behind the machine.



IMPORTANCE OF SOFTWARE

- Facilitates the operation of computers for both personal and professional use.
- Automates processes and reduces manual effort.
- Acts as a communication bridge between users and hardware.

SOFTWARE QUALITY

Software Quality refers to the extent to which a software product meets user requirements, performs reliably, and adheres to specified standards. It ensures the software is functional, efficient, and maintains a high level of performance under various conditions.

ATTRIBUTES OF QUALITY SOFTWARE

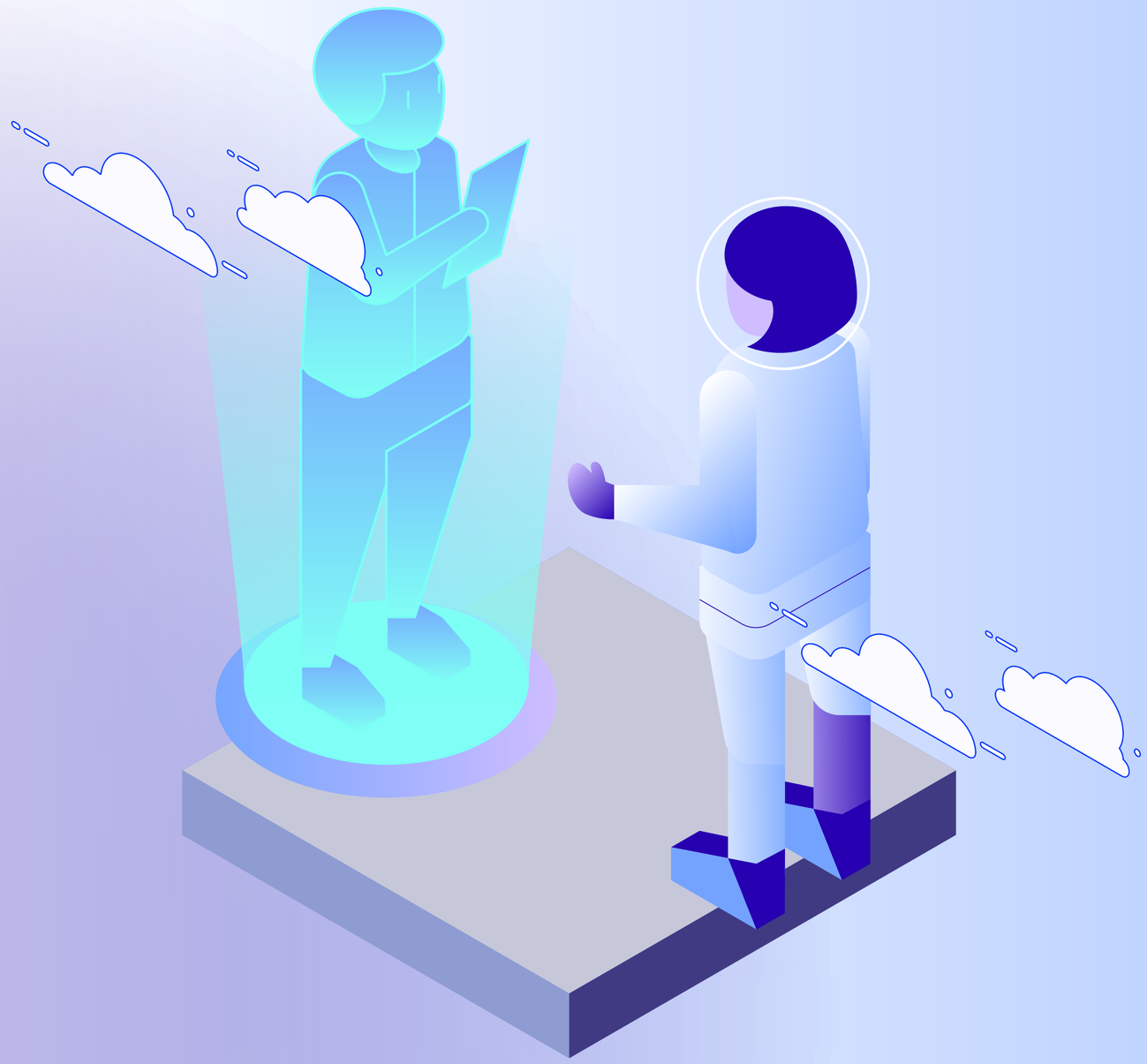
- **Functionality**: Performs intended tasks correctly.
- **Usability**: Easy and efficient for users to operate.
- **Reliability**: Consistent performance without failures.
- **Maintainability**: Easy to modify and update.
- **Portability**: Works across different environments.

SOFTWARE QUALITY TESTER

A professional responsible for ensuring that software meets specified standards and functions as expected before its release.

Key Duties:

- **Test Planning:** Designing test cases and strategies to evaluate software.
- **Bug Detection:** Identifying and reporting software defects.
- **Automation Testing:** Using tools to automate repetitive test cases.
- **Performance Testing:** Ensuring the software operates efficiently under load.
- **Documentation**: Maintaining records of testing processes and results.
- **Collaboration:** Working with developers to resolve issues and improve quality.



IMPORTANCE OF QUALITY SOFTWARE

- **Ensures User Satisfaction:** Provides a seamless and enjoyable user experience.
- **Reduces Costs:** Prevents expensive bug fixes or system failures after deployment.
- **Enhances Performance:** Ensures software functions efficiently under all conditions.
- **Builds Trust:** Maintains the software's credibility and reputation in the market.
- **Regulatory Compliance:** Meets industry standards and legal requirements.

THANK YOU!