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Rapid Application Development Model (RAD)

The Rapid Application Development (RAD) model, first introduced by IBM in the 1980s, is an incremental software development approach emphasizing speed and flexibility. It involves breaking a project into smaller, modular components developed in parallel by separated teams, allowing for a concise development.

Phases of RAD:

- Involves gathering and analyzing requirements using techniques. Includes user feedback collection and prototype building. Focuses on refining the prototype into a working product.

Advantages:

Faster development and delivery timelines. Customer feedback is incorporated early.

Disadvantages:

Requires highly skilled developers and domain experts. High dependency on customer involvement and automated tools.

Application:

Suitable for systems with clear, modular requirements. Effective for projects leveraging existing system.