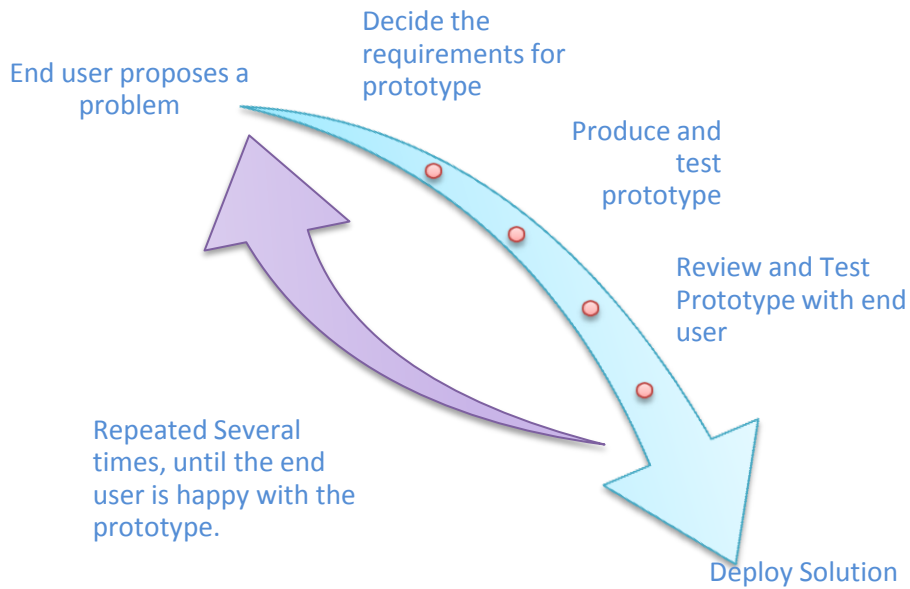# Rapid Application Development

Rapid Application Development (RAD) is a methodology for designing and writing software that includes producing successive prototypes of the software until the final version is produced.

End user proposes a problem

Decide the requirements for prototype

Produce and test prototype

Review and Test Prototype with end user

Repeated Several times, until the end user is happy with the prototype.

Deploy Solution

Advantages

The end user is involved in the development process, this increases flexibility because it allows for changes in the users requirements.

Prototypes mean that a tangible product can be seen by the user, even if it does have reduced functionality.

The development time is usually shorter than other methods, because it uses a range of tools to build the prototypes.

Disadvantages

It is not efficient when dealing with large scale projects , as the initial prototype is likely to be very different from the final product

It focus's on the end result, rather than the processing, so can produce solutions which are inefficient, and don't make besst use of availible resources.