Systems Development Lifecycles

Presentation Task

Your task during this tutorial is to research, write and present a brief 5 minute group talk on the below topic.

The presentation should include the following:

- Introduce yourselves and your task (give yourselves a group name)
- Present a list of problems with the waterfall method
- Explain your assigned alternative SDLC:
    - philosophy and stages (use a diagram to aid your explanation)
    - pros and cons (include the types of projects your SDLC is suitable for)
    - the problems with the waterfall that it helps to avoid/resolve
- Conclude

The Waterfall Model

The waterfall model is the traditional view of software/systems development. Over the years a number of problems have been identified with the waterfall model, and therefore new approaches have been adopted.

Alternative Models

Alternative approaches to systems/software development have been proposed by researchers and practitioners in software and systems development. Some of these are listed below:

- Extreme Programming
- V-Model
- Spiral Model
- S.C.R.U.M.
- Rapid Application Development (RAD)
- Rational Unified Process