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Project Development Methodology:

The waterfall technique is a project management strategy that stresses a straight line from the start of a project to its completion. This strategy, which engineers frequently employ, places a heavy emphasis on meticulous planning, thorough documentation, and methodical implementation.

A waterfall project management process involves different phases for each project. In general, the waterfall approach's tasks may be divided into five stages: planning, design, implementation, verification, and maintenance.

When using the waterfall technique minimal emphasis on the end user or customer participating in a project as an internal procedure is placed. The main objective when using the waterfall methodology has always been to facilitate internal teams moving more swiftly through project phases, which may provide advantages in the software industry.

We chose the waterfall methodology approach since we collectively decided that this project would go smoother if it were separated into five stages: planning, design, implementation, verification, and maintenance. This allowed us to gradually progress from one task to another task as a group or a collective versus tackling each task separately within given constraints or “due dates”, and ultimately this methodology worked out mostly to our advantage.