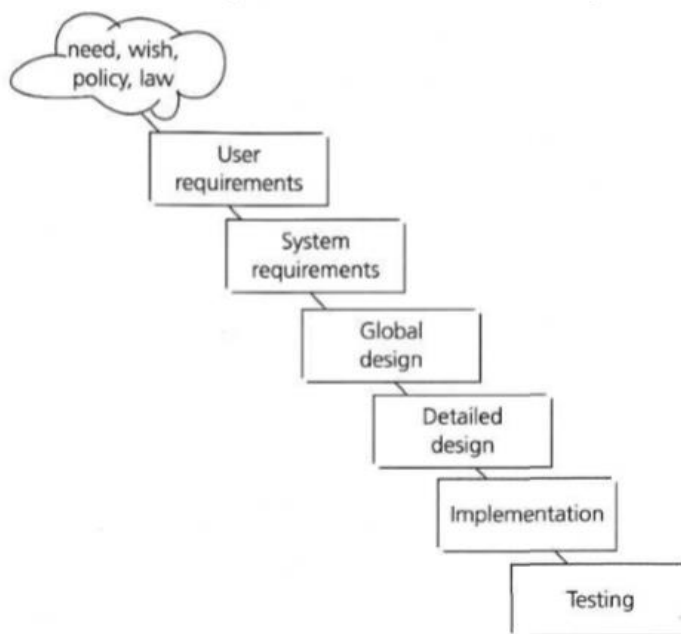


### 2.1.1.1 Sequential development model

The waterfall model was one of the earliest models to be designed. It has a natural timeline where tasks are executed in a sequential fashion. We start at the top of the waterfall with a feasibility study and flow down through the various project tasks finishing with implementation into the live environment. Design flows through into development, which in turn flows into build, and finally on into test. Testing tends to happen towards the end of the project life cycle so defects are detected close to the live implementation date. With this model it has been difficult to get feedback passed backwards up the waterfall and there are difficulties if we need to carry out numerous iterations for a particular phase.



**FIGURE 2.1** Waterfall model