Major Issues in Software Engineering

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Major Issues in Software Engineering

Requirements

Too often we build the "wrong" system
Communication between technical and business people is not easy
Need precise, accurate description of customer needs
Customer does not know what they need

Architecture

Where all the demands of requirements "hit home" at once
Most non-functional requirements are "holistic"
Foundation for (managed) change, maintenance, and evolution

Change

The world keeps changing, and we like it that way
Software is not easy to change, despite what managers & customers think

Complexity

Always trying to build bigger, better, faster, smaller, cheaper
Challenge to do things that we have never done before