Planned (i.e., Up-Front) Design

Waterfall
  Requirements
  Architecture
  Design
  Implement
  Test

Ad-Hoc Evolutionary Design (i.e., Hacking, No Design)

Intentional Evolutionary Design

Iterative Development
  Requirements
  Architecture
  For each iteration
    Requirements (select features, incorporate requirements changes)
    Design
    Implement
    Test
  Move between these activities as needed

The role of refactoring in iterative development

Agile Development doesn’t do much up-front Requirements and Architecture