Risk may face in five stages:

* Requirement analysis
  + choose the wrong technology at this stage
  + miscommunication may happen between manager and developers
  + miscommunication my happen between customers and developers
  + unclear requirement and omit requirement may happen
  + other risks may lead the underestimate of developing period
* Design
  + wrong data structure / design pattern chosen
  + poor organizational structure and definition of roles and responsibilities
  + no quality control system
  + design errors and changes
  + other risks in this phase may lead to delay of design and permits
* Coding
  + Very intense schedule
  + Insufficient resources
  + Continuously changing requirements
  + Key developer leaves the team
  + Numerous bugs during the coding
* Deployment
  + Bad testing may lead to potential bugs
  + Product may have issue when deploy to target platform
  + Conflicting user requirements
  + Ignoring the nonfunctional requirements
  + Missing capabilities
* Maintenance
  + Employee turnover
  + Changing requirements
  + Over budget
  + Change in environment
  + Problem with bug fix

Top five

Miscommunication between customers and developers in requirement analysis (Exposure 3.2)

Continuously changing requirements in coding phase (Exposure 3.5)

Numerous bugs during the coding in coding phase (Exposure 2.4)

Bad testing may lead to potential bugs in deployment phase (Exposure 2.4)

Employee turnover during coding phase (Exposure 2.5)