Risk Register

#	Risk	Description
1	Scalability	Failure to develop a system that can adapt to higher than expected use could leave BCS unable to operate as needed.
2	Changes to BCS organizational structure	Alterations in BCS services / process from the given requirements could cause critical usability issues.
3	Scope definition	Poor analysis of project description leads to missing requirements and a final product that does not capture the essence of the desired software.
4	Miscommunication of needs	Project description failed to communicate a need that goes unidentified and is not incorporated in design.
5	Unforseen regulations	Unknown government requirements could result in deficiencies in design and implementation, potentially causing rework, a break in service, or punitive measures.
6	Security / privacy issues	Oversight of vulnerabilities could lead to compromised site security.
7	Race conditions	Not properly handling potential simultaneous use of shared resources could result in overlapping commitments or corrupted data.
8	Budgetting	Budget estimates fail to match the required work, requiring either a request for more funding, an incomplete product, or a lower return on investment.
9	Scheduling	Time required to complete tasks is off from estimates, causing delays or reduction in quality or scope of the product.
10	Personas	Users of the software misinterpreted or incomplete, possibly leading to the design and implementation meeting the wrong needs.
11	Difficult to use	Design decisions make product awkward or difficult for staff/public to use in some cases.
12	GUI implementation	Elements of the layout or features included in the design are more difficult to implement than expected.
13	Hosting / Database miscalculation	The level of hosting and data storage is inappropriate for the customer's needs.
14	Hardware failure	Development hardware fails or is inadequate for the creation of the product.
15	Poor prioritization	Priority of tasks is misjudged, leading to missing or underdeveloped key features compared to less important ones.
16	Unexpected needs	Needs unanticipated by BCS are identified and added to the project scope, requiring time and resources, but delivering a stronger and more accurate product.
17	Insufficient access	Due to a lack of access: BCS staff is unable to perform needed work / Customers are unable to access needed features of the organization.
18	Unintended access	Design flaws allow BCS staff or customers to access unnecessary components of the product.
19	Reliability Issues	The code or services fail to provide consistent service in a product upon which health and safety are concerned (external services in particular).
20	Inflexible design / implementation	Without a sufficiently flexible design and implementation, needed changes could require a lot of avoidable work.
21	Technology Viability	The development tools chosen do not meet project needs, requiring extra work within the system or adoption of different tools.
22	Funding	BCS struggles to pay for development services in part or full.