FAST DELIVERY APP

Subject: Software Project Management
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Table 1: Project, product, and business risks

Risk	Affects	Description
Customer Privacy & Data	Business	**Sensitive data**, including credit card numbers, **is transmitted and frequently stored**, often across multiple networks and systems. Computer and internet security can be **challenging even for experienced businesses**. If your website gets hacked and exposes customer data, customers could lose trust in your brand for a time.
Risk of building an app that your target users don't want	Business	Creating an application from their own perspective, and not the perspective of the customer. Bad User Interface(UI) design and bad User Experience (UX)
Purpose and Need not well-defined	Project & product	Business case not already provided and ensure purpose is well defined on Project Charter and PID (Project Initiation Document). It related to the need and purpose of the project. This is can get transferred to the high project risk category if the project is impacted by this factor
Incomplete project design and deliverable definition	Project and product	It is incomplete project design and deliverable definition. It is a low-risk factor but can eventually turn out to be a high-risk factor if not controlled beforehand.
Difficulty in defining and understanding project schedule	Project	Every project must have a specific time period to be completed. If there is no set schedule or if there is difficulty in understanding the project schedule then this project risk example will arise. It is included in the low-risk category but can turn out to cause a medium risk to the project.

Risks related to budget	Business & project	There may be times when the costs go beyond the revenue and in such scenarios, this project risk example arises. There may be uncertainty in every business activities related to the future and when the cost exceeds revenue, the risk factor becomes severe.
Resistance to changes	Project & product	If a project does not implement changes with the changing trends, it will cause issues in the project. For example, if technology has to be changed in an organization, and the team members resist the changes, it will cause a problem with respect to the working of the project.
Risks related to the resources	Project	This risk arises if the project is not able to acquire the relevant resources, for example, skilled workers, finances, and so on.
Lack of control over staff priorities	Project	If a project fails to create a backup for team members, then the project will be delayed which is indeed a negative aspect that may give rise to other risk factors.
Risk factors related to disputes	Business	A project is handled by many people and it is likely to happen that disputes can arise due to different thoughts, different, and different expectations. So, therefore, this is included in the project risk examples.
Unplanned work risk	Project & product	There are a number of tasks to be performed by each one related to the project. When tasks are not planned efficiently then this type of risk arises and the project will have cases of delayed work more than the tasks which are being completed.
Communication issues	Project & product	One of the other project risk examples includes the communication channel between the people related to the project. Due to lack of communication, there will be no clarity, and instead, confusion will arise which will be stressful for the efficient running of the project.

Table 2: Risk types

Risk	Probability	Effects
Customer Privacy & Data	High	Catastrophic
Risk of building an app that your target users don't want	Moderate	Catastrophic
Purpose and Need not well-defined	High	Catastrophic
Incomplete project design and deliverable definition	Moderate	Serious
Difficulty in defining and understanding project schedule	High	Important
Risks related to budget	Moderate	Serious
Resistance to changes	Low	Tolerable
Risks related to the resources	Moderate	Serious
Lack of control over staff priorities	Low	Serious
Risk factors related to disputes	Low	Serious
Unplanned work risk	Very low	Serious

Table 3: Strategies to help manage risk

Risk	Strategy
Customer Privacy & Data	Implement security in web, don't become complacent with your customer's sensitive data. Ask questions to be sure the gatekeepers of your customer's data are taking every precaution to keep it safe. Even if you are just touching base with them every month to ask how things are going.
Risk of building an app that your target users don't want	Make customer suvery
Purpose and Need not well-defined	It is important for any organization to complete a business case if it has not been provided beforehand. Also, the need and purpose of the project have to be mentioned and defined accurately.
Incomplete project design and deliverable definition	It is always beneficial to appoint a subject matter expert to prevent such a risk. The experts will help you define the project by conducting design workshops. This way the risk can be prevented efficiently.
Difficulty in defining and understanding project schedule	Workshops are really important in such cases. It is advisable for all to conduct schedule workshops with the team members. This will help them manage time efficiently and also avoid missing tasks.
Risks related to budget	In order to prevent such risks, it is advisable for all to analyze the external factors as well as the internal factors that hinder the working of the project and keep some cash aside for meeting the crisis in the near future.
Resistance to changes	A successful project is the one which goes with the flow. This means the flexible project will see long-lasting success in comparison to the projects which resist those changes.

Risks related to the resources	A project must show a bright picture to the investors and the team members related to the success of the project. This way the project can attract more investors to fulfill the financial aspects and also attract the skilled workers to give their best.
Lack of control over staff priorities	To prevent this risk factor, a project manager must take the initiative to brief out the importance of the project to the other managers. The manager should schedule the dates of performing each task and provide backup for every team member. In case anyone leaves the project team, time must not be wasted in finding another candidate suitable for the profile. Instead, a backup must be kept ready to avoid such risks.
Risk factors related to disputes	The way to avoid such risks is to conduct meetings on a regular basis and let all the team members and project related personnel participate so that the issues can be discussed openly and a relevant solution is provided as soon as possible.
Unplanned work risk	To avoid this risk, one must attend the project schedule workshops and analyze the previous projects. You must check all the plans and quantity surveys and document all the findings. All of this must be reported to the project manager before the project kicks off.
Communication issues	The communication plan must be established considering the audience, frequency, and goal of the project. Along with the plan the right channel of communication is to be established through emails, phone calls, in written and so on.