

Vendomatic Risk List

Risk ID	Date Identified	Headline	Description	Type	Impact	Probability	Magnitude	Owner	Mitigation Plan
R1	2023-04-02	Non-Compliance with Industry Standards for Payment Process	Since Vendomatic provides a mobile payment option, any non-compliance with online payment industry standards can cause both legal and vulnerability issues.	Business	5	30%	1,5	- Business Analyst - Developers - QA	Reviewing the Vendomatic's payment gateway, data storage, and other relevant features and develop a plan to address the non-compliance, including specific actions that need to be taken to bring the Vendomatic into compliance. This may involve updating the payment gateway, improving data security measures, or implementing additional authentication methods.
R2	2023-04-02	Non-Compliance with Data Privacy Laws	Since Vendomatic users provide personal information in registration, it will be essential to implement strong security measures to protect this personal data. According to GDPR, it is not legal to use these data without the permission of users.	Business	5	35%	1,8	- Developers - QA	Permission to use personal data must be obtained from all users when they register to Vendomatic.
R3	2023-04-02	Insufficient User Adoption	Vendomatic may not gain sufficient user adoption, leading to lower revenue.	Business	4	20%	0,8	- Marketing	Provide a user-friendly and a seamless user experience.
R4	2023-04-02	Competition Risks	Competition from existing or new entrants in the vending machine management software market may affect Vendomatic's success.	Business	4	20%	0,8	- Developers - QA - Marketing	Develop a comprehensive marketing strategy, provide incentives for new users, and offer promotions, in alignment with the development of new features and a better user experience. Monitor competitors and continuously improve and innovate to stay ahead in the market.
R5	2023-04-02	Stakeholder Misalignment	Misalignment of expectations and priorities between stakeholders may lead to delays or conflicts.	Business	3	30%	0,9	- Project Manager	Maintain regular communication with stakeholders, clarify expectations, and address concerns promptly.
R6	2023-04-02	Stakeholder Resistance	Resistance to change or adoption of the Vendomatic platform from certain stakeholders, affecting implementation.	Business	4	20%	0,8	- Project Manager	Engage stakeholders in the development process, provide training and support, and address resistance proactively.
R7	2023-04-02	Intellectual Property Dispute	Vendomatic may face intellectual property disputes or infringement claims from competitors.	Business	2	10%	0,2	- Project Manager	Conduct thorough IP research and ensure that the platform does not infringe on any existing patents.
R8	2023-04-02	Inaccurate Location Data	Inaccurate location data could lead to users being unable to find nearby vending machines.	Technical	4	20%	0,8	- Developers	Utilize multiple location data sources and implement fallback options for location services.
R9	2023-04-02	Device Compatibility	Vendomatic may not be compatible with certain mobile devices, causing user dissatisfaction.	Technical	2	30%	0,6	- Developers	Test the platform on a wide range of devices and operating systems, and fix compatibility issues.
R10	2023-04-02	Complexity of the Infrastructure	Developing and maintaining Vendomatic requires a complex technical infrastructure, which may be prone to technical glitches, system failures, or bugs. Such issues can cause inconvenience to users and lead to financial losses for vending machine owners and reputation loss for the application itself.	Technical	5		0,0	- Developers - QA	Develop a plan to simplify the infrastructure, including specific actions that need to be taken to reduce complexity. This may involve standardizing configurations, or implementing more modular architecture. Avoid complex interdependencies, hard-coded configurations, or non-standard integrations. Ensure ongoing monitoring and testing of the infrastructure.
R11	2023-04-02	Hardware Compatibility	Vending machines may have different hardware, causing compatibility issues.	Technical	3	40%	1,2	- Developers - QA	Establish communication protocols that are compatible with various vending machine hardware.
R12	2023-04-02	Scope Creep	Additional requirements are added during development, leading to delays and increased costs.	Schedule	3	30%	0,9	- Project Manager	Manage stakeholder expectations, establish a clear scope, and evaluate the impact of new requests.
R13	2023-04-02	Estimation Errors for Work Items	Blind estimation times can cause disruptions in the project plan.	Schedule	4	50%	2,0	- Developers - Project Manager	Each team member is involved in the estimation process where poker technique is used. For each work item, %10 margin of deviation for the estimated time will be considered.
R14	2023-04-02	Lack of Communication	A lack of communication between stakeholders can cause problems both in realizing and delivering the Vendomatic.	Resource	3	20%	0,6	- Project Manager	Frequent meetings will be encouraged via online meeting tools, instead of e-mails.
R15	2023-04-02	Lack of Expertise for Technology Stack	Limited development expertise could lead to delays or an inability to deliver all desired features.	Resource	4	30%	1,2	- Developers	During this period, the developers started to develop themselves on the technologies planned to be used. In addition, the technology stack of the application is determined by considering the expertise of the developers. Developers will cooperate in sharing know-how.
R16	2023-04-02	Resource Constraints	Limited development resources could lead to delays or an inability to deliver all desired features.	Resource	3	50%	1,5	- Project Manager	Prioritize and allocate resources efficiently, and consider hiring additional team members if needed.
R17	2023-04-02	Unreliable Vending Machines	Users may encounter vending machines that are out of order, empty, or otherwise unreliable. If the vending machines are not properly maintained and managed by vending machine owners and operators, it may lead to operational risks, such as machine downtime, incorrect inventory tracking, and inaccurate sales analytics.	Indirect	3	30%	0,9	- Operator	Implement a monitoring and maintenance system for vending machines and communicate with machine owners. Regularly update components, monitor their development, and have backup options in case of failures.
R18	2023-04-02	Third-Party Component Issues	Issues with third-party components, such as libraries or frameworks, causing delays or failures.	Indirect	2	20%	0,4	- Developers	Keep third-party components up to date. Regularly check for new versions and patches.
R19	2023-04-02	Security Breaches	Unauthorized access to user data or vandalism of the platform.	Direct	5	10%	0,5	- Developers	Implement robust security measures, regularly monitor the system, and conduct penetration testing.
R20	2023-04-02	Poor Network Connectivity	Users may experience poor network connectivity, affecting the performance and usability of the platform.	Direct	3	40%	1,2	- Developers	Optimize the platform for low-bandwidth conditions and provide offline functionality where possible.