RISK ANALYSIS TABLE for {Condo Management System}

				Last Update:					
Ranking	Threats (1)	Vulnerabilities (2)	Contextual factors	Risks (3)	Likelihood from 1 to 5	Impact from 1 to 5	Reduction of Threats (Acceptance Strategy)	Reduction of Vulnerabilities (Protection Strategy)	Level of residual Risk
16 - High	Time Risk	- All the students working on the project are taking 4 or more classes and don't have unlimited time to work on the project, students will be busy with exams from other courses and other assignments to dedicate all their time to the project	We only have 12 weeks to complete the project and only 10 team members.	to be subjected to a time risk.	3	4	By efficient planning, we can make sure all the features we need are complete.		6 - Low
								Removing the more unnecessary features and saving them	
8 - Medium	Application Risk	We won't have infinite opportunities to show our product to the client and the product won't be ready until the later stages of the semester.	The client's requirements are unlikely to change before the deadline.	to be subjected to a application risk	2	4	Survey our solution to see if it theoretically makes sense. Proper testing before more costly implementations.	do it again next semester or replan the solution.	4 - Low
9 - Medium	Skill Risk	Some team members may not be familiar with the proposed technologies; therefore, they should take the necessary steps to familiarize themselves with them.	Only two of our team members have good knowledge of the stack we plan on using, but they can easily teach the basics to the other members	to be subjected by a skill risk	3	4	Proper planning and use of our programmers' skills.	hire additional more skilled individuals to make up for the lack and teach.	5 - Low
8 - Medium	Legal Risk	There are lots of laws and regulations related to condo management.	Depending on whether the condominium association is a cooperative, homeowners' association, or another type of legal organization, the legal requirements could change.	to be subjected by a legal risk	1	5	Reviewing legal conventions or precedent is beyond the scope of our project, but making a minor change	We will revert to the old state of the system if something serious arises	4 - Low
	Fraud Risk	The project faces a fraud risk, where	The risk/reward for committing fraud	to be subjected by a fraud risk	T	1	We believe that the likelihood that any of our team	We will forward the pertinent information to law	
8 - Medium	1 Iudu Iusk	malicious actors may exploit it to gain unauthorized access and potentially steal user data.	on that kind of project is way too bad for that to be realistic	, ,	1	5	would do something like that is extremely low since there is almost no incentive to steal our clients' information, since it has little utility outside of the system and the legal repercussions would far outweigh the upside.	enforcement if we believe a crime was committed.	4 - Low
10 - Medium	Scalability Risk	Insufficient infrastructure scalability poses a vulnerability, potentially hindering website performance under high user or operational loads.	Our application is not likely to have enough clients for it to be subject to scalability issues.	to be subjected by a scalability risk	3	3	Mitigate by using a scalable and reliable infrastructure and use load testing for the platform to ensure that its scalability is acceptable	Try alternate deployment methods and services and change the faulty algorithms if applicable	6 - Low

2 - Very low	Team Dynamics Risk	Inadequate communication channels and a lack of team-building activities may result in strained relationships and misunderstandings among team members, potentially compromising collaboration, cohesion, and overall project effectiveness.	don't look for conflict, so it's easy to	to be subjected by a dynamic risk	2	1	Proper team meetings and encourage team communication.	Assess the teams composition and explore the possibility to invoke sub teams to avoid any more conflicts within team members.	2 - Very low
10 - Medium	Security Risk	Overlooking privacy loopholes within our systems may lead to security issues, as these gaps could potentially be exploited by malicious entities, posing a threat to the overall security of our data and systems.	Only one of our team members has real cybersecurity experience so we probably can't make a state of the art security system but we can implement basic security measures	to be subjected by a security risk	1	5	Avoid by implementing security measures like 2FA, encryption and DDOS protection	Make a subteam that will be in charge of cybersecurity if it becomes a relevant problem	5 - Low
15 - High	Risk Associated with Technology Compatibility	Team members who use MacBooks might have trouble using some of the technologies selected for the project	3 of our team members use a macbook as their primary work computer	to be subjected to a Risk Associated with Technology Compatibility	4	4	depending on pair programming as a means of cooperation. Assist team members in learning how to use pair programming or adjust to new technologies by offering guidance and assistance	If required, look into other tools or development environments that work with MacBooks	9 - Medium
12 - High	Availability of Resources Risk	An unexpected trip by a team member could affect the status of the project and connections within the team.	Since the tasks for this sprint are relatively independent, there is a chance that even if someone goes on a trip like that, it won't affect the project	to be subjected to an availability of resources risk	4	2	Assign tasks to the remaining team members and modify deadlines as necessary	Ask team members if they have anything like that planned so we can work around it	9 - Medium
16 - High	Platform Change risk	Changing platforms from Uno to React might create problems	Changing platforms from Uno to React sets us back significantly in terms of frontend progress, since the knowledge that we learned from doing Sprint 1 with it will mostly go to waste.	to be subjected to a platform change risk	5	4	Use Chris as a resource for frontend developers since he has by far the most experience with the new framework. Chris is able to help the other developers with most of their bugs	Make a common document with the bugs and errors that the frontend team encounters and the solution so that others won't have to figure it out themselves, wasting even more time	10 - Medium