

Vroom RISK REGISTER

Project: Vroom Car Share Scheme
Project No: 1
As At: 05/11/19

No	Description	Impact	L'hood	Owner	Mitigation Strategies	Contingency Plan
1	Customer background check	H	H	Risk found by: Client Solved by: Supun, Ignatia	The admin must approve the customer's profile information before they can rent a car	The client requests the team to do background check on customers
2	Location capacity	L	L	Risk found by: Sefira Solved by: Sefira	<p>Do some calculations on the backend. However, there is an unsolvable risk: <i>'What if the admin adds a new car on a location that only have a slot left, and the next day a car that is being rent will be returned to that location?'</i></p> <p>One possible solution that can be done in the future is to use WebSocket to update the capacity in real time. Notify the user if the location suddenly becomes unavailable. Now, the application is incapable of real-time notification.</p>	The risk is realized when doing the backend query to add and update car.
3	Credit card encryption	H	H	Risk found by: Sefira Solved by: n/a	In the current version of the software, the credit card of the customer is not encrypted inside the DB. In the future, this can be solved by using DES, RSA, or SHA256	The risk is realized during sprint 3, but no action was taken because we decided to execute the payment with PayPal instead, although the credit card table still exist, in the current version of the software, we haven't made any payment implementation with credit card.
4	Storing image as base64	M	M	Risk found by: Sefira Solved by:	In the current version of the software, the images are stored as the base64 version. However, if the image has a high resolution, the base64 form of the	The risk is realized during sprint 2, when the storing car image feature was being worked on.

				n/a	<p>image will be very long and not only it is a waste of storage, the communication between client and server will take too long.</p> <p>In the future, the image could be stored using external feature such as Amazon S3.</p>	
5	Testing mail reaches limit	M	M	<p>Risk found by: Robin</p> <p>Solved by: Robin</p>	<p>Free version of most SMTP services only allows around 100 emails to be sent per month.</p> <p>To prevent testing mail reaches limit during testing is to switch from regular SMTP to dummy SMTP which allow 5x times more than regular SMTP.</p>	The risk was found during sprint 4 when setting up SMTP for reset password function.