SE 318 – SOFTWARE VERIFICATION AND VALIDATION – REQUIREMENTS LIST

PROJECT NAME: BUS MANAGEMENT SYSTEM 2
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FUNCTIONAL REQUIREMENTS		
REQ. #		PRIORITY
1	The system should require users to register before they use the system.	1
2	The system should provide an authentication page where ID and password are requiered via email.	2
3	The system should require account informations from users to sign in.	3
4	The system should allow users to filter specific bus company and price.	4
5	The system should display available seats based on the specified date, time, departure point and destination.	5
6	The system should block the seats which are booked already.	6
7	The system should enable users to book for their tickets only in a timeboxed manner after tickets being added to the cart.	7
8	The system should allow users to make online payment through their debit cards.	8
9	The system should send the booking confirmation to user via email.	9
10	The system should allow users to cancel the tickets at least one hour before departure time.	10
11	The system should allow users to to update the at least one hour before departure time.	11
12	The system should send an email to users about arrival and departure time to notify.	12
NON-FUNCTIONAL REQUIREMENTS		
REQ. #		PRIORITY
1	Use of captcha and encryption to avoid bots from booking tickets.	1
2	After 3 login attempts, the security system should ask a verification code from user.	2
3	The application should be available 24/7.	3
4	The application should load in 3 seconds when the number of simultaneous users are > 100.	4
5	UI must have a light theme.	5