Problem	Description	Likelihood (1-9)	Impact (1-9)	Importance (Likelihood * Impact)	Preventive action	Remedial Action	
Lack of abstractation in product	The excisting solution does not have possibilities to add features following templates	6	9	54	None	Standarize communication, and also add a standard for content	
Communication Loss	The groups' communication with each other is not satisfactory. Group don't establish good communication with the customer and supervisor.	3	7	21	Actively establish communication and reach out to the parties regularly.	Talk with the group about the communication, and try to get a good understanding of the problem. Establish communication media, so the group can talk with each other.	
Change requests	Change requests that does not meet the requirements of the product	3	7	21	Have well defined requirements spesification and implement it iteratively.	Reach out to the customer and ask what they think about the request changes.	
Technical difficulties	Some problems may turn up to be very hard to solve. This can in turn lead to delays and frustration. And may sometimes be very time consuming.	5	4	20	Regulary have technical discussions with the group, that way the hard problems can be handled by the group as a whole.	If the problem is to hard, try to get help from other groups. Also evaluate if the problem can be handled differently.	
Workstation are noisy	The workstation is filled with people who make alot of sound, so the developers team can't concentrate to the fullest.	5	4	20	Can preorder room, so we get our own workstation to work on.	Order room/move to a private facility, and move the whole developers team there if the noise are that bad.	
Failing to do planned work	Members of the group fails to do schedueld work due to falling behind in other subjects or matters not related to the project.	9	2	18	Good scheduling habits. Sit down every week and see what's planned to do in the project the following week. Coordinate against what you have to do in other subject.	Make up for lost work during weekends or other available time slots	
Insufficient product	Devolping a product that does not meet the requirements of the costumer	2	9	18	Good and continious communication with the costumer. Work with an agile devolment structure such as Scrum		
API change	Changing the general API because lack of functionality.	2	9	18	Sufficient research about API before implementing it into the project.	Either drop the functionality that is missing, or start developing with the new API if there's time and the priority is high enough.	
Different app views	Customer and developers have different views of the apps' purpose and funtions.	3	6	18	Have regular meetings, inform and discuss all changes to project scope, goals and features.	Discuss with customer and find middle ground.	
Scope	The amount of features requested are beyond what the development team can deliver in time	6	3	18	Be specific with the customer how much time we have, and explain deeply how much time it takes to develop a single feature	Discuss what are the nessasery features that must be in the product, and flush out what is the least nessasery.	
Unavailability	Group members are unavailable because of different projects, which makes it difficult to complete the planned work load	4	4	16	Get an overview over when group members are available, and then plan how to either work more before the time of the unavailability or plan to catch up the missed work at a later stage	Other group members have to make up for others unavailability	

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Lack of competence	The developers don't have enough competence about the given software the project requires.	8	2	16	Meet every day, do workgroups together and learn by failing.	Talk with other members of the group, and hear if they have the competence. This will prevent hours of searching, when you can listen what the other members have to say. And direct you on the right path for the competence you need.	
Hardware communication	Not possible to use the dev. environment to make use of some of the hardware (camera, microphone)	4	4	16	Try to keep the application relevant to what it's actually ment to do, focus on the core areas.	Access the hardware externally through APIs	
Loss of work (DUPLICATE)	Disk failures or losing equipment that causes project related work to disappear	2	8	16	Establish good backup habits. Have the group share the code (using git etc) and use cloud services for document storage	Talk with other group members, hear if they have it on a local hard drive. If not rollback to the latest stabil version, where there is least of loss.	
Software issues	Not all group members can install necessary sofware properly on their own devices. Software not functioning properly on device.	5	3	15	Research software before taking use of it. Install software together as a group.	Work together in small groups with the task, or reassign aother work to the individual.	
Missing deadlines	Some work may take longer time than expected, this may cause delays later on in the project.	3	5	15	Have a steady and diciplined workflow and plan ahead. Overestimate work rather than underestimate.	All members meet and plan what is to be done, and assign it right away. This way the project can be delivered as soon as possible.	
Customer turnover disruption	A key contact in SINTEF leaves the company, putting the project in a unclear state	2	7	14	Good communication. Multiple contacts with knowledge of the project	Quickly contact the customer and discuss how to proceed and how it's affected	
Sickness	Group members or other crucial personell gets sick	4	3	12	Have regular updates about the progress of the work being done, and don't make important task rely completely on one person without a backup plan. Stay healthy.	Talk to the person about the individual tasks, how much he can handle, and distribute the work the member can't complete.	
Group members falling out.	Members doesn't show for meetings, or goes of the grid without notice.	2	6	12	Good communication and agree on a schedule that suits everyone.	Take action at once, and make inquires to why the member didn't show.	
Uneven workload	Uneven distribution of workload	6	2	12	Stay updated on the tasks given and work put in, then distribute new work accordingly.	Have intervention and discuss the workload, try to redistribute to make up for the differences.	
Conflict over changes	Group members not in agreement over supposed changes in group management, work, responibility etc.	3	4	12	Have an open dialog.	Discuss in group and decide as a democracy.	
Late for meeting	Members of the group are late for meetings with group/customer and supervisor	6	2	12	Good communication and agree on a schedule that suits everyone.	Take action at once, make inquires to why the member came late and make it clear to the individual that this is not acceptable.	

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Documents customer/superviso meeting	Lacking the sufficeint documents for the meeting with the customer used for presenting changes, mockups or reports about fieldwork etc.	2	6	12	Have the documents stored in the cloud so you can acces it where ever you go. With your respective smartphone/tablet and pc's,	Discuss what you remember and try to make the best out of the meeting.	
Equipment failure	Computers and other dependable devices malfunctions.	4	2	12	Keep documents and code in the cloud so you can work from another device if your primary device malfunction.	Get replacement as soon as possible.	
Application on mobile device	Problems installing application from the used framework on mobile devices.	3	4	12	Make sufficient research about the framework we are suppose to use infront of the project. So we have as litle problems as possible to install on mobile devices.	Use google and try to find people who have had the same problems as you are having. And try to do the same as they have done before you.	
Document sharing failed	Authorization of documents sharing is not complete, people don't have access to the groups documents.	2	4	8	Give all the authorization they need for the documents to be shared. So all can view, edit and share documents.	Find out where the problem lies, so everyone can get authorization for the given documents and folders.	
Lack of software	Lack of software necessary for the develoment process.	1	3	3	Talk about what software is required for the development of the product. Ask the customer for this software or funds to aquire it in good time.	Ask the customer immediately for the required software, so the development progress don't have any major delays.	