SE 216 – SOFTWARE PROJECT MANAGEMENT
PROJECT RISKS DOCUMENT

PROJECT NAME: VitalBand

GROUP MEMBERS: Ecem DOĞANER, Enes YAVUZ, Orhan Ege ÖZŞEN, Utkuhan ERGENE

LIKELIHOOD RANK	RISK DESCRIPTION
1	Testing - Untested codes due to insufficient testing tools and lack of a suitable testing environment make it difficult to discover errors.
2	Debugging- Identifying the root cause of the issue may be difficult, therefore may lead to prolonged debugging efforts. Introducing new bugs or issues while attempting to fix existing ones may make the debugging process even more complicated.
3	Security- Leakage of health data, malware attacks, data security breaches may occur.
4	Accuracy of health data- Data from sensors may not match actual health data. Therefore, data analysis algorithms may not show actual results.
5	Durability- Since the vital band is a product that also appeals to some patients, it is very important that it has a design that will not come off the wrist easily. It is also crucial that it is designed and useful for the sensors to collect information in the most efficient way without squeezing the user on the wrist.
6	Training- Time constraints may lead to rushed or incomplete training sessions. Adapting to new concepts or tools may be difficult for the team. Training materials or resources may be inadequate.
7	Budget- The budget distribution may be calculated incorrectly or the budget may not be sufficient for the innovations that need to be added.
8	Tools-The team must acquire proficiency in specific software tools essential for the project's success. These tools are integral to tasks such as application interface, data analyzing, and storing data, necessitating the team's dedicated learning and mastery of them for efficient project execution.
9	Hardware of VitalBand- Due to the unique and lightweight design of vital, the burden of work to integrate these sensors and make them work most efficiently will be a challenge.
10	Compliance with legal process- It may take a long time to obtain the necessary permits within the legal framework, so there may be delays while waiting for the permits in the development phase.

IMPACT RANK	RISK DESCRIPTION
1	Security- Leakage of health data, malware attacks, data security breaches may occur.
2	Compliance with legal process- It may take a long time to obtain the necessary permits within the legal framework, so there may be delays while waiting for the permits in the development phase.
3	Accuracy of health data- Data from sensors may not match actual health data. Therefore, data analysis algorithms may not show actual results.
4	Durability- Since the vital band is a product that also appeals to some patients, it is very important that it has a design that will not come off the wrist easily. It is also crucial that it is designed and useful for the sensors to collect information in the most efficient way without squeezing the user on the wrist.
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LIKELIHOOD RANK	IMPACT RANK	COMBINED RANK	RISK DESCRIPTION
3	1	4	Security- Leakage of health data, malware attacks, data security breaches may occur.
1	5	6	Testing - Untested codes due to insufficient testing tools and lack of a suitable testing environment make it difficult to discover errors.
4	3	7	Accuracy of health data- Data from sensors may not match actual health data. Therefore, data analysis algorithms may not show actual results.
2	6	8	Debugging- Identifying the root cause of the issue may be difficult, therefore may lead to prolonged debugging efforts. Introducing new bugs or issues while attempting to fix existing ones may make the debugging process even more complicated.
5	4	9	Durability- Since the vital band is a product that also appeals to some patients, it is very important that it has a design that will not come off the wrist easily. It is also crucial that it is designed and useful for the sensors to collect information in the most efficient way without squeezing the user on the wrist.
10	2	12	Compliance with legal process- It may take a long time to obtain the necessary permits within the legal framework, so there may be delays while waiting for the permits in the development phase.
7	8	15	Budget- The budget distribution may be calculated incorrectly or the budget may not be sufficient for the innovations that need to be added.
6	9	15	Training- Time constraints may lead to rushed or incomplete training sessions. Adapting to new concepts or tools may be difficult for the team. Training materials or resources may be inadequate.
9	7	16	Hardware of VitalBand- Due to the unique and lightweight design of vital, the burden of work to

			integrate these sensors and make them work most efficiently will be a challenge.
8	**10**	**18**	Tools-The team must acquire proficiency in specific software tools essential for the project's success. These tools are integral to tasks such as application interface, data analyzing, and storing data, necessitating the team's dedicated learning and mastery of them for efficient project execution.