Explanation of table columns

- Risk A brief description of the risk
- \bullet P Probability of risk occurrence; rated from 1 (very unlikely) to 5 (almost certain)
- S Severity of risk occurrence in relation to project; rated from 1 (low impact) to 5 (catastrophic)
- RE Overall risk value (Risk Exposure) where $RE = P \times S$
- Mitigation Strategy to avoid or reduce the effect of the risk

1 Project Risks

Risk	P	\mathbf{S}	\mathbf{RE}	Mitigation
Loss of team member (e.g.	1	3	6	Drop some low priority fea-
going off sick etc.)				tures to reduce workload and
				allow focusing on needed fea-
				tures. Use of Git allows us
				to continue their work via
	_		4.0	branches.
Loss of project data	2	5	10	Use of GitLab to host data;
				upon loss of data, team can
		0	0	pull from the repository.
Low or no contact from su-	2	3	6	Use of Discord to communi-
pervisor during a sprint				cate easily and quickly with
				the supervisor as well as the
				ability to set up quick and
Togg of appint loaden	1	3	6	easy meetings during sprints. Choose two leaders for each
Loss of sprint leader	1	3	O	
				sprint so that there is probably at least one sprint leader.
Program component takes	5	2	10	Drop some lower priority
longer than expected to im-			10	user stories for that sprint
plement				and/or have extra team
picinent				members assist.
Library packages/API may	2	2	4	Leave time to brush up on
be unfamiliar	_	_	_	the library modules before
				getting started on the code.
				Working in pairs/teams for
				sections will help mitigate
				this, as team members can
				help teach each other.
Product develops hard to	3	2	6	Leave extra time in the
solve bugs that will take ex-				schedule for debugging to en-
tra time/effort to debug				sure this is accommodated.
				Otherwise, low priority user
				stories can be dropped or
				user stories can be pushed to
				the next increment.

2 Product Risks

Risk	P	\mathbf{S}	\mathbf{RE}	Mitigation
Feature does not meet	3	2	6	Leave time in each sprint
client's expectations				plan to account for time
				needed to rectify issues with
				the components from the
				last sprint.
There is a change in require-	3	3	9	Address the requirements
ments				change in the review meeting
				with the client and edit the
				user stories to match. These
				can then be planned into the
				next or future increments.
The target devices become	1	5	5	Use of Java means that the
incompatible via update,				program will run on any ma-
change in client device etc.				chine that can run Java. Ex-
				tremely unlikely that a ma-
				chine can't run the Java run-
				time.

3 Business Risks

Risk	P	\mathbf{S}	\mathbf{RE}	Mitigation
COVID restrictions become	1	2	2	Use of Discord and other on-
stronger and the team has to				line services will allow flexi-
move online				bility with regards to social
				distancing.
Change of supervisor/client;	1	3	3	Communicate/meet with
new supervisor/client may				new supervisor/client before
prioritise different aspects of				next review session to re-
the project.				prioritise user stories in that
				sprint as well as what they
				expect.