

Risk Assessment								
Issue #	Description	Evaluation	Likelihood	Impact	Risk	Responsibility	Response	Control Measure
1	Deployed API not working as expected.	Whole host of issues with ‘final’ version of the API; multiple bugs; logical errors in the code; syntax errors in the code; general breakdown of functionality.	Medium	High	High	Developer	Debugging; reverting to an older, working version of the API; asking someone else to look at the code to see if they can spot any issues.	Constantly checking work and testing code (Test Driven Development) ; having previous versions of code by using branch functionality on Git; keep it simple.
2	Not meeting project deadline	Not completing the project in-time; poor time-management; handing in work that is unfinished.	Medium	High	High	Developer	Work on MVP (Minimum Viable Product) and rush to complete the project on time. This will result in shoddy work.	Have internal deadlines; use Jira effectively to manage the project; have frequent meetings with the team to stay on target; focus on meeting minimum standards (MVP) and expanding on the work after.
3	Loss of data	Project data could be lost due to some sort of glitch/ error (hardware or software), infrequent saving or accident.	Medium	High	High	Developer	Restore backup. Restore last update/ commit made on Git.	Frequent backups; constant source/ version control.
4	CRUD (create, read, update and delete) functionality error	Any aspect of the CRUD functionality not working as expected. As an example, the user may not be able to read from the database.	Low	High	Moderate	Developer	Update the aspect of CRUD functionality that is not working; make sure there are no errors in the code; ensure linkage to database.	Frequent testing, specifically unit and integration testing.
5	Loss of internet connection	As we are working remotely, this would mean immediate loss of communication with my team and inability to upload work on Git/ update Jira Board.	Low	High	Moderate	BT Broadband (ISP)	Use mobile data. Use wi-fi in a public location, such as a coffee shop.	Have mobile data as a backup. Get a better ISP that has guaranteed SLAs.
6	Configuration error	Not adding the correct dependancies /modules that are required for the project to run successfully.	Low	Medium	Low	Developer	Investigate and make corrections to configuration, preferences and properties files (e.g. POM file.	Keep testing code to ensure everything works; read documentation when setting up tools.

Risk Matrix

Likelihood	Impact		
	Low	Medium	High
Low	Low	Low	Moderate
Medium	Low	Moderate	High
High	Moderate	High	High