Risk assessment for Final Project (Spring Boot ReSTful API)

MoSCoW Prioritization method (**M**ust haves, **S**hould haves, **C**ould haves, **W**on'ts)

Essential for viable product:

- ▫ Running Spring Boot app
- ▫ Working database with values
- ▫ Build of the app as a .jar
- ▫

Significant impact:

- ▫ Some JUnit testing done
- ▫ Integration testing done

Minor impact:

- ▫ Randomiser feature – Get random villager
- ▫ .gitignore
- ▫ Exceptions

Possible future features (Don't waste time on currently):

- ▫ ASCII art
- ▫ Custom queries e.g. find by name/animal type
- ▫ ERD (entity relationship diagram)

Risk assessment

Risk	Evaluation	Likelihood	Impact level	Responsibility	Response	Control measures
Poor quality code	Quality not evaluated effectively throughout project	Medium	High	Developer	Quality monitored by trainers marking product	Rigourous testing before deployment
Deploy broken version of application	App doesn't run so user cannot see data	Low	High	Developer	Revert to the working version	Ensure correct version depolyed/sub mitted
Time estimation	Underestimation of time needed to complete deliverables checklist	High	Medium	Developer	Complete only most important features	Prioritise tasks using MoSCoW method
Java virtual machine goes down	App offline – will not work	Low	High	VM Provider	Copy over code and use an alternative vm	Keep project saved on local machine and remote repo
Checklist incomplete	Some features not present	High	Low	Developer	Accept impact on current project	Use as possible future features when improving project on own time