

Risk Register

Risks go here. Note that this is a live document that needs to be updated constantly.

It should be noted that our clients are quite understanding: if we have an issue that they should know about, **early is better than late**. Please raise *any* such issue with [Alexander Troup](#) if it looks like it will result in any of these risks manifesting.

ID	Name	Impact	Likelihood	Owner	Mitigation
1	Heavy Reliance on ReactJS for visualisation and animation. Any drawbacks on this framework will add significant work and delays	High	Very Low	All	Early assessment of the library if it can cater to all the current and to an extend future requirements. Identify other JS frameworks which can work with ReactJS to mitigate the gaps.
2	Unanticipated difficulties implementing the more advanced features towards the end of sprint 1, or during sprint 2, as the component ReactJS libraries may be written in a way that proves too difficult for team to understand.	High	High	All	Contact previous development team(s) for help if issues with code understanding arise.
3	One or more students drops subject, leaving team significantly under-resourced.	High	Low	All	<ol style="list-style-type: none">1. Increase cooperation with other teams, including asking them for help where possible.2. Contact our adviser (Tamasha), and the subject coordinator (Philip Dart).3. Inform clients, and revisit (reduce if necessary) scope as a result.
4	Team member stops contributing adequately, leading to reduced team velocity as other team members have to perform their tasks.	High	Moderate	Alexander Troup	<ol style="list-style-type: none">1. Raise this with team member as an issue which needs to be resolved2. Work out if the issue can be resolved and if it is out of their control<ol style="list-style-type: none">a. If necessary, inform and seek advice from adviser (Tamasha) and Subject Coordinator if advised.
5	COVID19 related disruptions, such as falling sick or scheduling issues.	High	Moderate	All	Follow government directions to mitigate this issue. Communicate early any impacts on the project to client.

Sprint 1 Update

- No risks have come up or been identified as triggering any required mitigation.
- No new risks have been identified.
- Overall, it does not look like any likelihoods have gone *up*, indeed it is now highly *unlikely* for any team member to drop the subject given we are past the census date.
 - Student dropping subject has been updated to a 'Low' likelihood, although still remains as a risk, and would still have a high impact.
 - Likelihood of ReactJS presenting problems has been downgraded to 'Very Low', as we have not encountered unanticipated problems while updating the application.
 - This risk still does remain though, as we have not delved deeply into the changes required for Quicksort.

Sprint 2 Update

- No new risks have come up or been identified, and no risks were triggered or required mitigation.
- Overall, likelihoods for some issues have increased, and others have decreased **assuming continued development**.
- Since this is the final sprint, it is not highly relevant that e.g. risk of a team member contracting covid has increased in Melbourne.
- No students dropped the subject
- All students contributed
- The team became quite proficient with ReactJS and web development in general
- All major features were at least generally implemented, even if bugs were present, and no feature was held up by the framework choice.