

Clang Randstruct Risk Management Plan

Risk	Probability	Effects	Plan
Team member injury or serious illness	Moderate	Tolerable to Serious (Depends on injury) 1 Day up to 2 Week delay	Make sure we have good individual documentation so that other group members can pick up where someone left off
Team member leaving team or unavailable for large period of time	Low	Serious 1-4 Week delay	Make sure we have good individual documentation and communication so that other group members can pick up where someone left off
Absolute failure of production environment created for the project; issues with our chosen build environment	Moderate	Serious 1-3 Week delay	Extensive research to avoid this and well laid out alternative plans for this kind of failure. Google Cloud Platform helps relieve certain instances of disk failure and project deletion.
Unable to use our chosen approach to accomplish the goals set by our sponsor	Moderate	Serious 1-4 Week delay	Extensive research and prototyping for each of the other possible approaches to ensure the highest likelihood of success.
Project Sponsor Leaves or is Uncommunicative	Low	Tolerable	We have a project sponsor as a backup. In the event the sponsor is unavailable, our project can be open sourced and usable for the Clang community.
Personal conflicts between team members/team lead	Low	Insignificant to Tolerable Max of 1 Week delay	Try to resolve any internal issues as quickly as possible; If

			needed Escalate the issue as much as necessary. If Team lead is directly involved/unable to resolve the issue, push it up to Bart for help resolving the issue
Another group working on the same project at the same time	Low/Moderate	Acceptable	Discuss the issue with our sponsor and likely continue to develop in parallel with the other team if necessary; else, continue
Requirements change/shift of sponsor focus in regards to the project	Low	Tolerable to Catastrophic	Hard to prepare for and depends on the scale of the requirements shift. To prepare for this we need to ensure we all have adequate knowledge of our product
Incorrect time estimate in regards to any section of the project	High	Tolerable to Insignificant	To avoid this we will try to overestimate and set realistic standards
Sudden change to the Clang infrastructure that dramatically alters the course of our project	Moderate	Catastrophic	We will have to react quickly and quickly adapt to the changes within clang in order to adapt our project

Approved by:

Tim Pugh
Jordan Cantrell
Nikk Forbus
Connor Kuehl
Cole Nixon