

## Risk assessment

### Risk matrix

	Negligible	Minor	Major	Hazardous	Catastrophic
Very unlikely	Low	Low	Low medium	Medium	Medium
Unlikely	Low	Low medium	Low medium	Medium	Medium high
Moderate	Low	Low medium	Medium	Medium high	Medium high
Likely	Low	Low medium	Medium	Medium high	High
Very likely	Low medium	Medium	Medium high	High	High

Risk	Statement	Response/s	Objective	Likelihood	Impact	Risk Level
Repetitive Strain Injury (RSI)	Back pain due to bad posture	Using <b>1)</b> an ergonomic chair with arm rests, <b>2)</b> a footrest to create a 90-degree-angle between thighs and calves, and <b>3)</b> stretching regularly.	To maintain good back posture.	Moderate	Minor	Low medium
RSI	Wrist and thumb pain	<b>1)</b> Using an ergonomic mouse and <b>2)</b> moving wrist and thumb regularly.	To keep hand, wrist, and thumb in a natural position.	Very unlikely	Minor	Low
RSI	Neck pain	To stretch the neck regularly.	To reduce pain by increasing blood flow to neck muscles.	Unlikely	Minor	Low medium
RSI	Eye strain due to prolonged screen time, distance from screen and screen size	<b>1)</b> Instead of using a laptop, using a big, curved screen to help match the human eye's shape with that of the screen. <b>2)</b> Monitor at one-arm length away, and <b>3)</b> having regular breaks. <b>4)</b> Look away for ~20 seconds from the monitor regularly.	To reduce eye fatigue.	Unlikely	Minor	Low medium

Physiological consequence of RSI	Poor blood circulation	<b>1)</b> Having regular breaks using the 'pomodoro' technique (e.g., 25-minute work, 5-minute break), <b>2)</b> standing up and <b>3)</b> having a walk during the break. <b>4)</b> Keeping hydrated.	To improve blood circulation in the body.	Unlikely	Major	Low medium
Environmental risk	Home working environment might not be suitable	<b>1)</b> Ensuring enough space to carry out work comfortably with <b>2)</b> adequate lighting and <b>3)</b> ventilation.	To reduce eye strain and breathe adequately.	Very unlikely	Minor	Low

Unsuitable hardware	Laptop lagging and slow	Ensure laptop being used has specifications that are up-to-date and meets the minimum requirements from the QA guidelines.	To improve productivity.	Very unlikely	Minor	Low
Unstable router	Wi-Fi router may intermittently disconnect	Ensure a reliable provider and router are used to carry out the project uninterrupted.	To ensure productivity.	Very unlikely	Negligible	Low

Wireless mouse and keyboard not working	Wireless mouse and keyboard may not work due to hardware failure or due to discharged batteries.	Ensure a high-quality/reliable wireless mouse and keyboard are used, and ensure the batteries are charged and/or have spare batteries.	To enhance productivity.	Very unlikely	Minor	Low
Big, curved screen not working	Big, curved screen not functioning due to hardware failure.	Ensure a high-quality/reliable curved monitor is used and make sure cables are not entangled.	To boost productivity.	Very unlikely	Major	Low medium