

TRIMMING TOOL: Improve your design by reducing complexity

<p>Hypothesis</p> <p>If we trim _____ out of _____ we can _____</p>	<p>When will we stop?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Meet threshold / goal <input type="checkbox"/> At a certain time <input type="checkbox"/> After checking every piece <input type="checkbox"/> Other <p><i>I am using the Trimming canvas in order to _____</i></p> <p><i>I can tell it is time to stop trimming when _____</i></p>	<p>How do we pick which pieces to remove?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Obviously extraneous <input type="checkbox"/> Threshold busters <input type="checkbox"/> Speedy trim <input type="checkbox"/> Acceleration trim <input type="checkbox"/> Random <input type="checkbox"/> Obviously necessary <input type="checkbox"/> Other
<p>What are the pieces? <i>List and categorize</i></p>	<pre> graph TD Start[Start remove one piece] --> Check{Does system work?} Check -- Y --> Discard[Discard piece] Check -- N --> Replace[Replace piece] Discard --> TryAgain1{Try again} TryAgain1 -- Y --> Start TryAgain1 -- N --> Final[Final design] Replace --> TryAgain2{Try again} TryAgain2 -- Y --> Start TryAgain2 -- N --> Final </pre>	<p>How do we remove pieces?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Delete – remove entire piece <input type="checkbox"/> Trim – remove portion of piece <input type="checkbox"/> Integrate – combine multiple pieces <input type="checkbox"/> Shrink – replace with smaller piece <input type="checkbox"/> Un-copy – remove redundant piece <input type="checkbox"/> Trust – remove a check function <input type="checkbox"/> Polish – remove friction between pieces <input type="checkbox"/> Relocate – move piece elsewhere <input type="checkbox"/> Other
	<p>Does the system work? <i>How will you confirm the core function? Describe an experiment & data collection pin</i></p> <p>How might we _____ <i>(Perform key function)</i></p> <p>In the absence of _____ <i>(Piece being removed)</i></p> <p>Without causing harm to _____ <i>(Stakeholders/environment/goals)</i></p>	<p>Discard/replace mechanism(s)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Discard / replace entire piece <input type="checkbox"/> Discard / replace part of piece <input type="checkbox"/> Introduce alternative piece