

Project Design Phase-I - Solution Fit Template

Project Title: A Novel Method for Handwritten Digit Recognition System

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Define CS, fit into CC	<div><div>1. CUSTOMER SEGMENT(S)</div><div>Who is your customer? i.e. working parents of 0-5 y.o. kids</div><div>CS</div><div>All people across the globe, especially writers, content creators</div></div>	<div><div>6. CUSTOMER CONSTRAINTS</div><div>What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.</div><div>CC</div><div>Network Connectivity, Power constraints, Image resizing and reshaping, Image clarity</div></div>	<div><div>5. AVAILABLE SOLUTIONS</div><div>Which solutions are available to the customers when they face the problem</div><div>AS</div><div>Google drive has provisions for converting images to numbers and Wolfram is a software, which is exclusively there for image to numbers.</div></div>	Explore AS, differentiate
	<div><div>2. JOBS-TO-BE-DONE / PROBLEMS</div><div>Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.</div><div>J&P</div><div><ul style="list-style-type: none">Image reshapingFeatures for the visually challengedImproving accuracy of prediction</div></div>	<div><div>9. PROBLEM ROOT CAUSE</div><div>What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e. customers have to do it because of the change in regulations.</div><div>RC</div><div>Lack of accuracy in some of the testcases.</div></div>	<div><div>7. BEHAVIOUR</div><div>What does your customer do to address the problem and get the job done? i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)</div><div>BE</div><div>Upload the numerical image and obtain the result in a single click</div></div>	
Focus on J&P, tap into BE, understand RC				Focus on J&P, tap into BE, understand RC

<div><div>3. TRIGGERS</div><div>What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.</div><div>TR</div></div> <div><div>Need for more accurate and faster prediction of data.</div></div> <div><div>4. EMOTIONS: BEFORE / AFTER</div><div>How do customers feel when they face a problem or a job and afterwards? i.e. lost, insecure > confident, in control - use it in your communication strategy & design.</div><div>EM</div></div> <div><div>Inaccurate > precision, speed, accuracy</div></div>	<div><div>10. YOUR SOLUTION</div><div>If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality. If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.</div><div>SL</div></div> <div><div>An application to provide faster and more accurate predictions by uploading images and adding more preprocessing to obtain a clear output.</div></div>	<div><div>8. CHANNELS of BEHAVIOUR</div><div>8.1 ONLINE</div><div>What kind of actions do customers take online? Extract online channels from #7</div><div>CH</div></div> <div><div>All the uploading and prediction of results will be done in online mode.</div></div> <div><div>8.2 OFFLINE</div><div>What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.</div></div> <div><div>No feature is available in offline mode.</div></div>
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