












Early Detection of Chronic Kidney Disease using Machine Learning

Senario:		<div>Entice</div> <div>How does someone initially become aware of this process?</div>	<div>Enter</div> <div>What do people experience as they begin the process?</div>	<div>Engage</div> <div>In the core moments in the process, what happens?</div>	<div>Exit</div> <div>What do people typically experience as the process finishes?</div>	<div>Extend</div> <div>What happens after the experience is over?</div>
<div>Steps</div> <div>What does the person (or group) typically experience?</div>	<div><div>Through websites and advertisement</div><div>While searching their symptoms in the web and advertisement based on their search</div></div> <div><div>Through media and friends</div><div>Using social media and friends recommendation(Pre-existing users)</div></div> <div><div>Through awareness programs</div><div>By conducting awareness programs and issuing pamphlets</div></div>	<div><div>Introduction of the app</div><div>Start introduction of the CKD software</div></div> <div><div>Registration/login</div><div>CKD software asks for name, age, email and phone number</div></div> <div><div>Customer Health Details</div><div>Customer need to enter their credentials</div><div></div></div>	<div><div>Filling relevant details</div><div>The user is to fill the information required associated with it</div></div> <div><div>Perform disease prediction</div><div>On clicking the predict button, it will predict the CKD</div></div> <div><div>Analyze the prediction model</div><div>User will get positive or negative result based on consult the doctor treatment</div></div>	<div><div>Result will be notified to patient</div><div>They can be cured with proper treatment</div></div> <div><div>Writing & Summary review</div><div>Users can say some queries about the website</div></div>	<div><div>Follow doctor's description</div><div>Personalized recommendations</div></div>	
<div>Interactions</div> <div>What interactions do they have at each step along the way?</div> <div><div>■ People: Who do they see or talk to?</div><div>■ Places: Where are they?</div><div>■ Things: What digital touchpoints or physical objects would they use?</div></div>	<div><div>How to access available feature?</div><div>Will the results be displayed?</div></div> <div><div>How to use the software?</div><div>Will my data get enough security?</div></div> <div><div>Will the results be displayed?</div></div>	<div><div>People become more clear process of the CKD</div></div> <div><div>Check Various modes of payment</div></div> <div><div>Ask for discount</div></div>	<div><div>Start interactions with patients</div></div> <div><div>Speak about the cost effectiveness of the test</div></div> <div><div>Doing treatment according to the stages of disease</div></div>	<div><div>User will be satisfied</div></div> <div><div>Download the diagnosis result from the website</div></div>	<div><div>Completes the review section of the software</div><div>Drinking more water after the recovery</div></div>	
<div>Goals & motivations</div> <div>At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")</div>	<div><div>Helps to use the application efficiently</div></div> <div><div>Helps me to check correctness of the software</div></div>	<div><div>To successfully register on the website</div><div>Enter the correct credentials</div><div>Some knowledge about the disease</div></div>	<div><div>Enter the appropriate details</div></div> <div><div>To get the accurate prediction</div></div>	<div><div>To get the results of the prediction model</div></div> <div><div>Getting information to consult the doctor</div></div>	<div><div>To consult a doctor and get the test results</div></div> <div><div>To get a treatments</div></div>	
<div>Positive moments</div> <div>What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?</div>	<div><div>Travel cost will be reduced for visiting hospitals</div></div> <div><div>Knowing about the website through reviews</div></div>	<div><div>Satisfied</div></div> <div><div>Detailed information about the disease</div></div>	<div><div>Productive</div></div> <div><div>Creative</div></div>	<div><div>Transparency of the diagnostic process</div></div>	<div><div>Proper guidance on how to deal with the disease</div></div>	
<div>Negative moments</div> <div>What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?</div>	<div><div>Internet Connectivity Issues to access the application</div></div> <div><div>Feeling frustrated if not received appointment</div></div>	<div><div>People experience a fear of taking this step</div></div>	<div><div>Trepidation about the checkout for predicting CKD</div></div>	<div><div>People describe leaving a review as tedious process</div></div>	<div><div>Low review rates</div></div>	
<div>Areas of opportunity</div> <div>How might we make each step better? What ideas do we have? What have others suggested?</div>	<div><div>User friendly</div><div>Accessible at any period of time</div><div>Making it faster access</div></div>	<div><div>Improvise the current mode for better future prediction</div></div> <div><div>The user should be able to get treated once with prior registration</div></div>	<div><div>The proposed solution having reasonable time complexity</div></div>	<div><div>Maintaining the user's privacy</div></div>	<div><div>Regular tracking by the application on treatment and progress</div></div>	