

## PROBLEM SPACE

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- Negative emotions associated throughout patient experience (scheduling to check out)
  - Long wait times and disorganized information
- Explore how might we reduce wait times and organize information to improve overall patient experience

# PRIMARY RESEARCH

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- Conducted 30 surveys and 5 interviews
- Observed different healthcare facilities
- User Values
  - Time
  - Clear communication
  - Transparency
- Pain Points
  - Lack of efficiency in scheduling
  - Unclear wait time estimates
  - Opportunity to better utilize wait times
  - Disorganized patient and appointment information

# SECONDARY RESEARCH & COMPETITIVE ANALYSIS

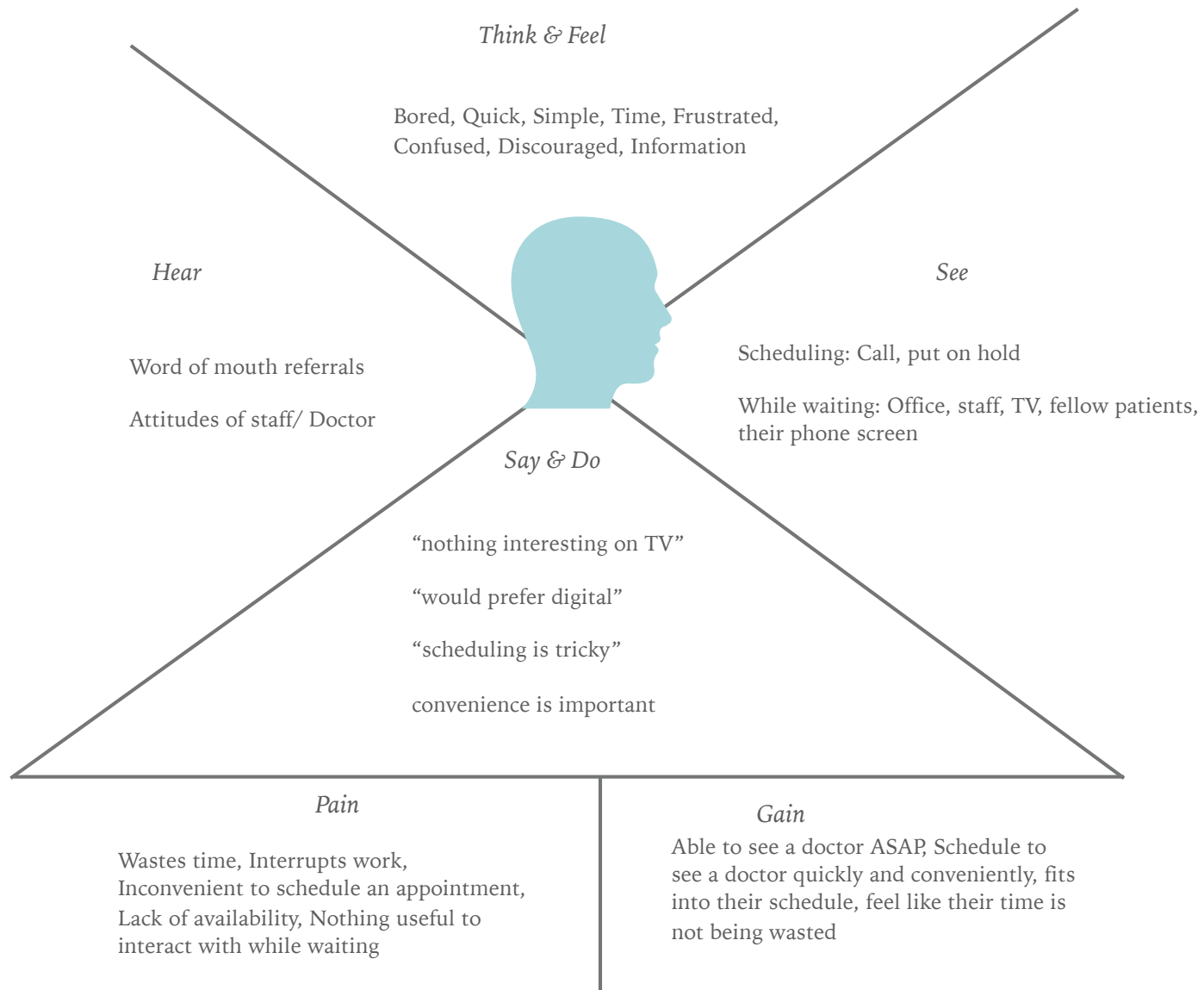


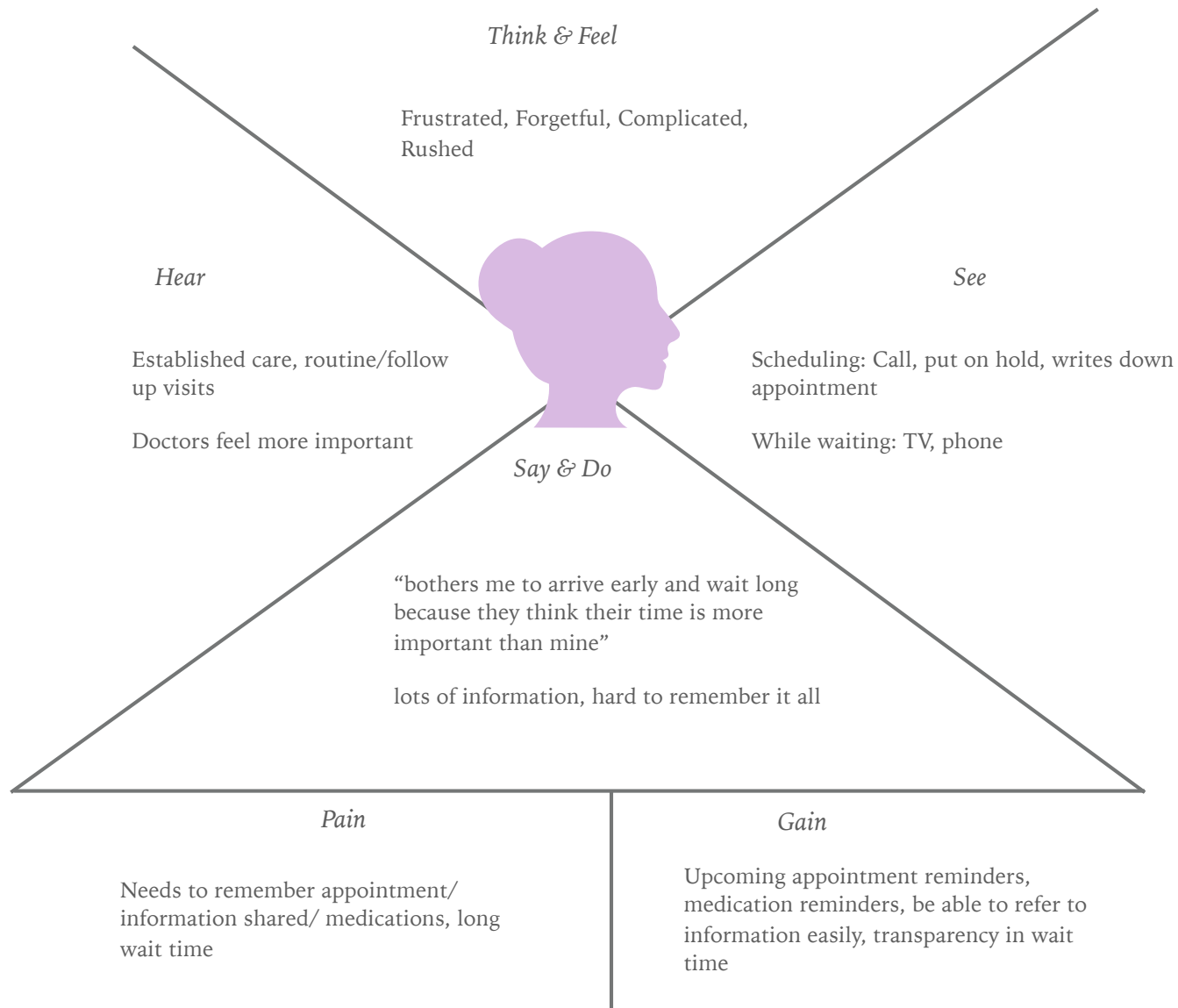
- Healthcare Technology
- Digitization/ “Smart Hospitals”
  - ‘hospitals embed new technologies into their design and operations to improve customer experience, as well as outcomes and costs’
- Telemedicine

<https://healthcare.mckinsey.com/finding-future-care-provision-role-smart-hospitals>

# Affinity Map









# MINUTE MATT

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➤ **Background:**

- **Age:** 29
- **Education:** Graduated university 2012
- **Occupation:** Software Engineer
- **Marital Status:** Single
- **Kids:** None

➤ **Matt's Story:** Matt has been a software engineer for 5 years. He is focused on growing in his career and describes his lifestyle as active and "on the go." Matt sees the doctor when he needs to, and is overall healthy.

➤ **Device:** Spends majority of his time on mobile

➤ **Obstacles Faced:** Calling to schedule an appointment is frustrating because it causes an **interruption to his workflow** and often involves **long hold times**. Needs to **see a doctor as soon as possible**. Has had **appointments canceled on last minute** without any notification. Wait times for appointments are long, experiences **boredom** in the waiting rooms, and does **not** receive **enough info, interaction, or communication**.

➤ **Goals, motivations:**

- **Information-** find a good doctor with availability that fits into his work schedule, updated on any changes to appointments
- **Effortless scheduling** - to be seen by a doctor immediately. A quick and more convenient way to set up an appointment.
- **Transparency-** of wait times and any notifications regarding appointment
- **Communication-** easy, simple, valuable (fun health facts, updates to any changes or follow up procedure), interactive and more personalized.

























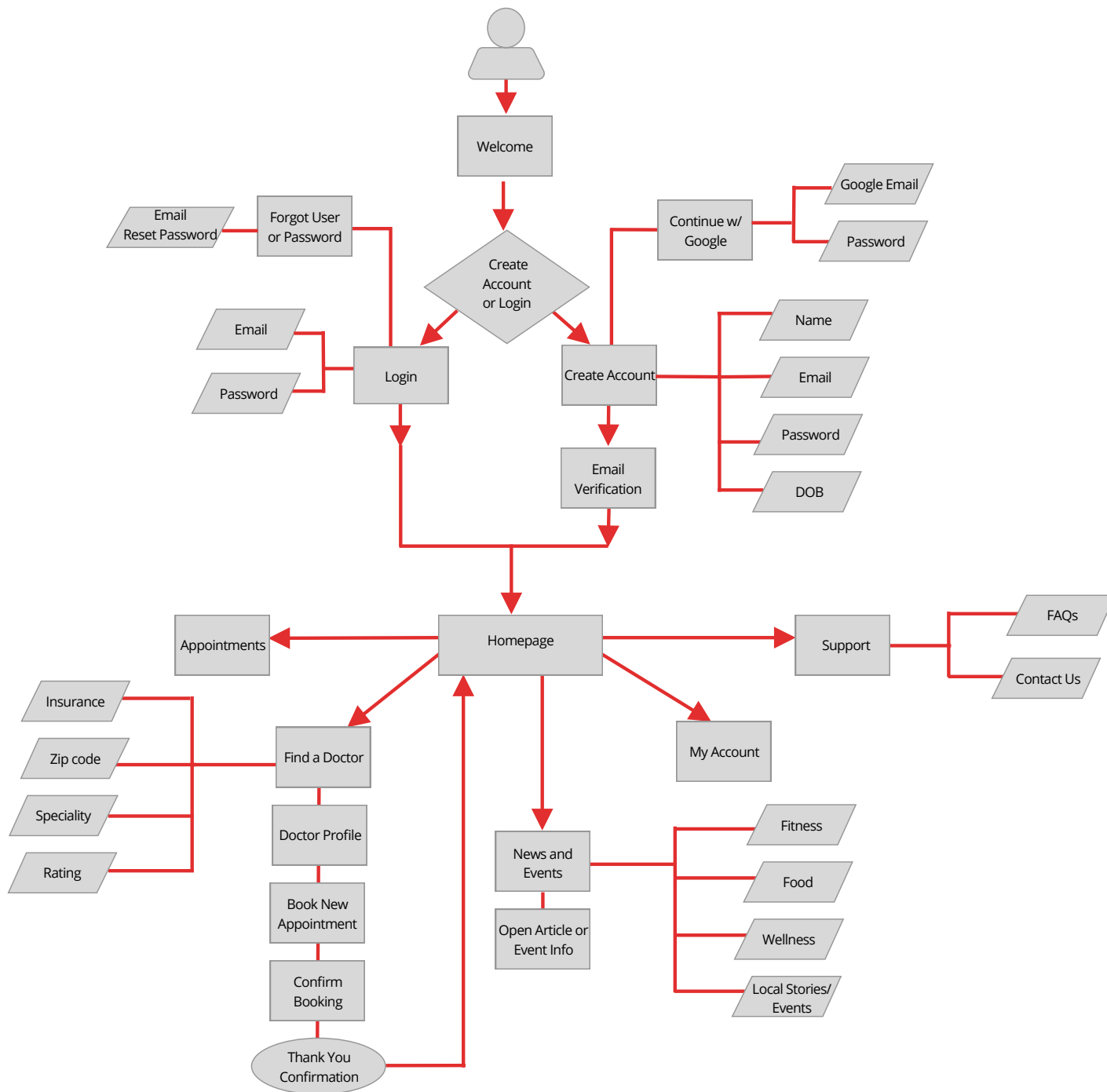
## STRAIGHT-SHOOTING SALLY

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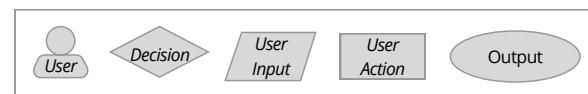
- **Background:**
  - **Age:** 68
  - **Education:** High School Degree
  - **Occupation:** Retired (Previously a Homemaker)
  - **Marital Status:** Married
  - **Kids:** Yes, and 3 grandkids
- **Sally's Story:** Sally worked as a bank teller for a brief time before becoming a full time homemaker. She is now retired and the proud Nana of three grandchildren. She sees several doctors for routine check ups.
- **Device:** Sally has a smart phone and texts / FaceTime's with her grandkids often. She also calls her friends to catch up.
- **Obstacles Faced:** Long wait time, filling out the same questionnaire each visit, feels like Doctor thinks their time is more important. Forgets appointment dates/times if not written down. Also has trouble remembering all of the content discussed during visit. Multiple medications to keep track of.
- **Goals, motivations:**
  - **Organization-** a better way of keeping track of appointment, information, medications, etc.
  - **Efficiency-** being able to update questionnaires as necessary
  - **Trust and respect-** in quality of her care and her time

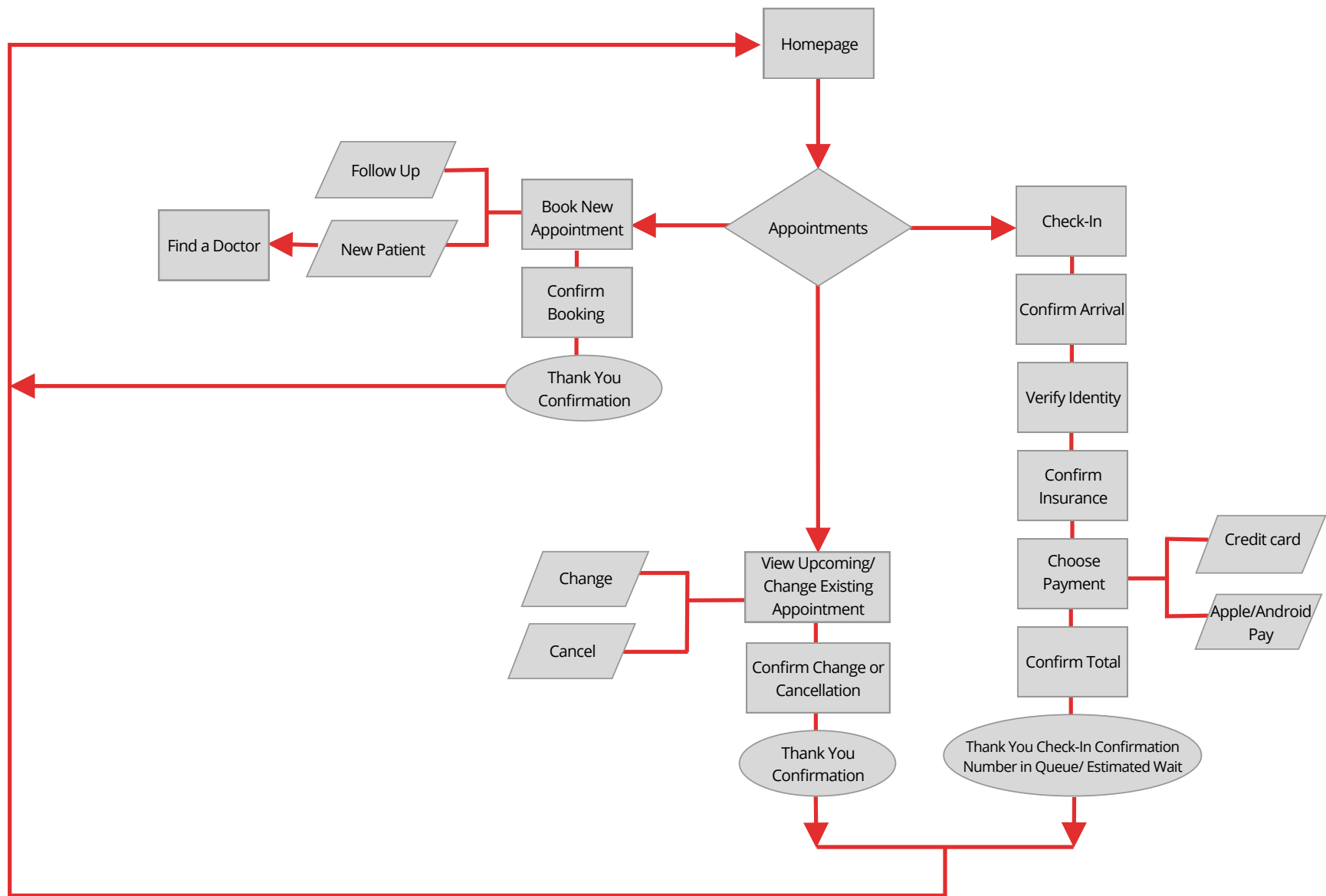
# Journey Map

STAGES	RESEARCH	BOOK APPOINTMENT	CHECK IN	WAIT	VISIT	CHECK OUT
DOING	 	  	 	   	 	 
	10-15min	20min	35min+	35min+	15min	10min
THINKING	<ul style="list-style-type: none"> <li>-Where does my insurance cover?</li> <li>-What is the nearest doctor?</li> <li>-When is the soonest I can be seen?</li> <li>-Has the doctor been recommended to me?</li> </ul>	<ul style="list-style-type: none"> <li>-How do I make an appointment?</li> <li>-What is the soonest appointment that fits my availability?</li> <li>-How do I check/make changes to appointments?</li> </ul>	<ul style="list-style-type: none"> <li>-Where do I go? Who do I talk to?</li> <li>-How long will the wait be?</li> <li>-Is there a cost/copay?</li> <li>-Do I need to fill out a questionnaire?</li> </ul>	<ul style="list-style-type: none"> <li>-What should I do while I wait?</li> <li>-When will I be seen?</li> <li>-What is available for my entertainment?</li> </ul>	<ul style="list-style-type: none"> <li>-How is the doctor's bedside manner?</li> <li>-Will the doctor listen to me?</li> <li>-Will I be able to remember everything discussed?</li> <li>-What are the next steps?</li> </ul>	<ul style="list-style-type: none"> <li>-Where do I go? Who do I talk to?</li> <li>-Where can I access information re: my visit?</li> <li>-Do I want to see the same doctor or a different one?</li> <li>-Do I need to schedule an additional appointments?</li> </ul>
FEELING	<ul style="list-style-type: none"> <li>-Apprehensive</li> <li>-Clueless</li> <li>-Sick</li> <li>-Hopeful</li> </ul> 	<ul style="list-style-type: none"> <li>-Confused</li> <li>-Frustrated</li> <li>-Annoyed</li> </ul> 	<ul style="list-style-type: none"> <li>-Anxious</li> <li>-Surprised</li> </ul> 	<ul style="list-style-type: none"> <li>-Bored</li> <li>-Frustrated</li> </ul> 	<ul style="list-style-type: none"> <li>-Discouraged</li> <li>-Rushed</li> </ul> 	<ul style="list-style-type: none"> <li>-Confused</li> <li>-Discouraged</li> <li>-Disappointed</li> </ul>
EXPERIENCE	<ul style="list-style-type: none"> <li>-Sift through information to find best fit</li> <li>-Research doctor, insurance, and location online</li> <li>-Referral from another doctor or someone they know</li> </ul>	<ul style="list-style-type: none"> <li>-Book an appointment by going to the website and calling</li> <li>-Often put on hold for a long period of time</li> <li>-Write down manually appointment information</li> </ul>	<ul style="list-style-type: none"> <li>-May be unexpectedly cancelled on last minute</li> <li>-First time patient or returning patient fills out questionnaire</li> <li>-Pay for appointment</li> </ul>	<ul style="list-style-type: none"> <li>-Long wait times</li> <li>-No communication about wait time</li> <li>-Nothing interesting on TV</li> <li>-Spends time idly browsing, texting, or otherwise using their smart phone or tablet</li> </ul>	<ul style="list-style-type: none"> <li>-A lot of information to digest afterward</li> <li>-May think of questions afterward</li> </ul>	<ul style="list-style-type: none"> <li>-Has to remember and digest a lot of information</li> <li>-Satisfied or not with vsii</li> <li>-Wait for available staff member</li> <li>-Go home and repeat (call to schedule an appointment)</li> </ul>
OPPORTUNITIES	<ul style="list-style-type: none"> <li>-Straight forward navigation</li> <li>-Ability to search for and filter doctor's based on criteria</li> <li>-5min</li> </ul>	<ul style="list-style-type: none"> <li>-Allow users to quickly make an appointment and visually see availability</li> <li>-Digitize/ ownership of appointment process</li> <li>-Set up notifications and reminders</li> <li>-5min</li> </ul>	<ul style="list-style-type: none"> <li>-Streamline check-in —&gt; Prior to appointment, send questionnaire and expected cost based off insurance</li> <li>-3min</li> </ul>	<ul style="list-style-type: none"> <li>-Provide accurate wait times</li> <li>-Update health information</li> <li>-Better utilize wait time (ex. time to educate)</li> <li>-Patient concerns readily accessible</li> <li>- 15min</li> </ul>	<ul style="list-style-type: none"> <li>-Ability to take notes</li> <li>-Rating system to grade level of care</li> <li>-Simple way to to contact nurse/ Dr. after visit</li> <li>-30min</li> </ul>	<ul style="list-style-type: none"> <li>-Patient profile to help organize information</li> <li>-Ability to rate doctor</li> <li>-Simple follow-up instructions</li> <li>-Easily able to schedule another visit</li> <li>-3min</li> </ul>

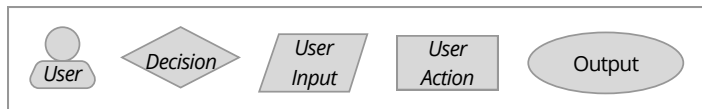


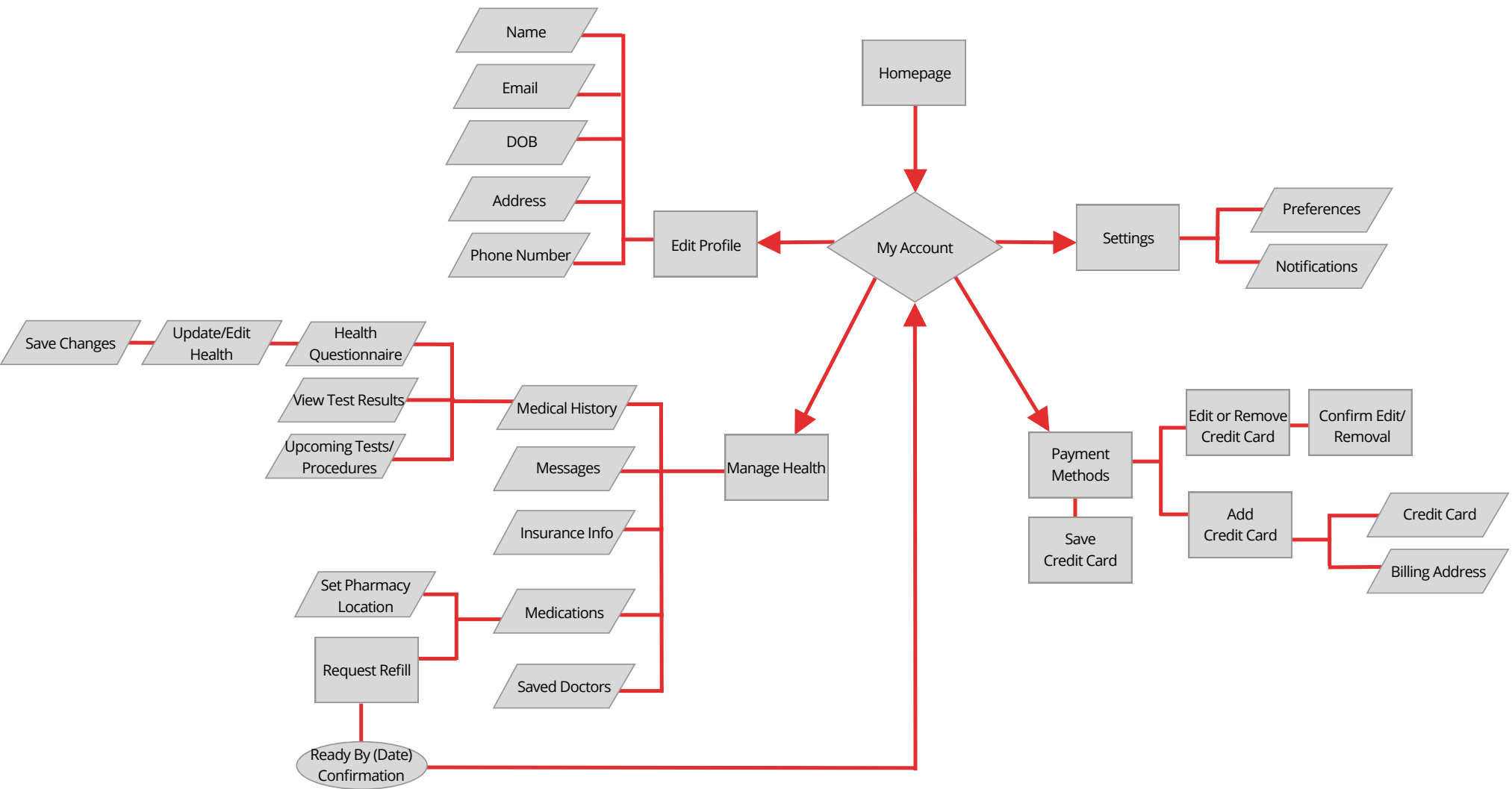
**Symbol Key**





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