Ideation Phase Empathize & Discover for lip reading using deep learning

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| Team ID | 592189 |
| Project Name | Lip Reading Using Deep Learning |
| Maximum Marks | 4 Marks |

# Empathy Map For Lip Reading :

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user’s

behaviours and attitudes.

Understanding the thoughts and emotions of individuals who rely on lip reading, and the potential benefits of using deep learning to enhance this ability, can help developers and researchers create more effective and empathetic solutions to address their needs.

• **Say:** Individuals express the need for highly accurate lip-reading technology. They recognize that the current methods are often challenging and not always reliable, making effective communication difficult.

• **Do:** People with lip-reading challenges tend to put in a lot of effort during conversations. They concentrate intensely on the speaker's lips and may frequently ask others to repeat themselves. They actively seek out and use lip-reading apps and tools to assist in their communication.

• **Think/Feel**: Many individuals feel frustration and anxiety about their lip-reading difficulties. They worry about missing important information during conversations and often feel self-conscious about repeatedly asking for clarifications. Despite these challenges, there's a strong sense of hope for technology to improve lip-reading accuracy and make communication easier.

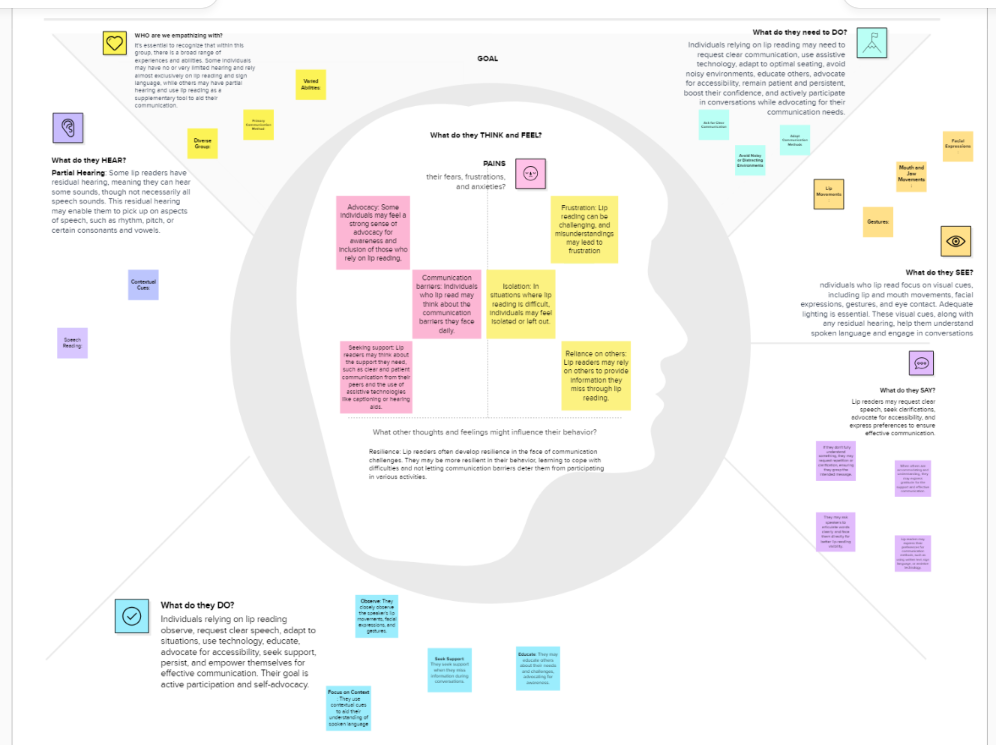
• **See:** These individuals often perceive that those around them may not fully understand the difficulties they face in lip reading. They're aware of the limitations in existing lip-reading technologies and may feel that these tools could be improved.

• **Pain/Gain:** The pains they experience include frustration from frequent miscommunication, social isolation resulting from communication challenges, and the dependency on others for accurate information. The gains they hope for are improved accuracy in lip reading using deep learning technologies, increased confidence in social interactions, and reduced reliance on others for effective communication.

This elaborated empathy map provides a more detailed insight into the thoughts, emotions, and actions of individuals with lip-reading challenges, as well as their aspirations for better technology and communication experiences.

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**Empathy map for Lip Reading:**

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