

Ideation Phase

Empathize & Discover

Date	02/02/2026
Team ID	LTVIP2026TMIDS83275
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Marks	4 Marks

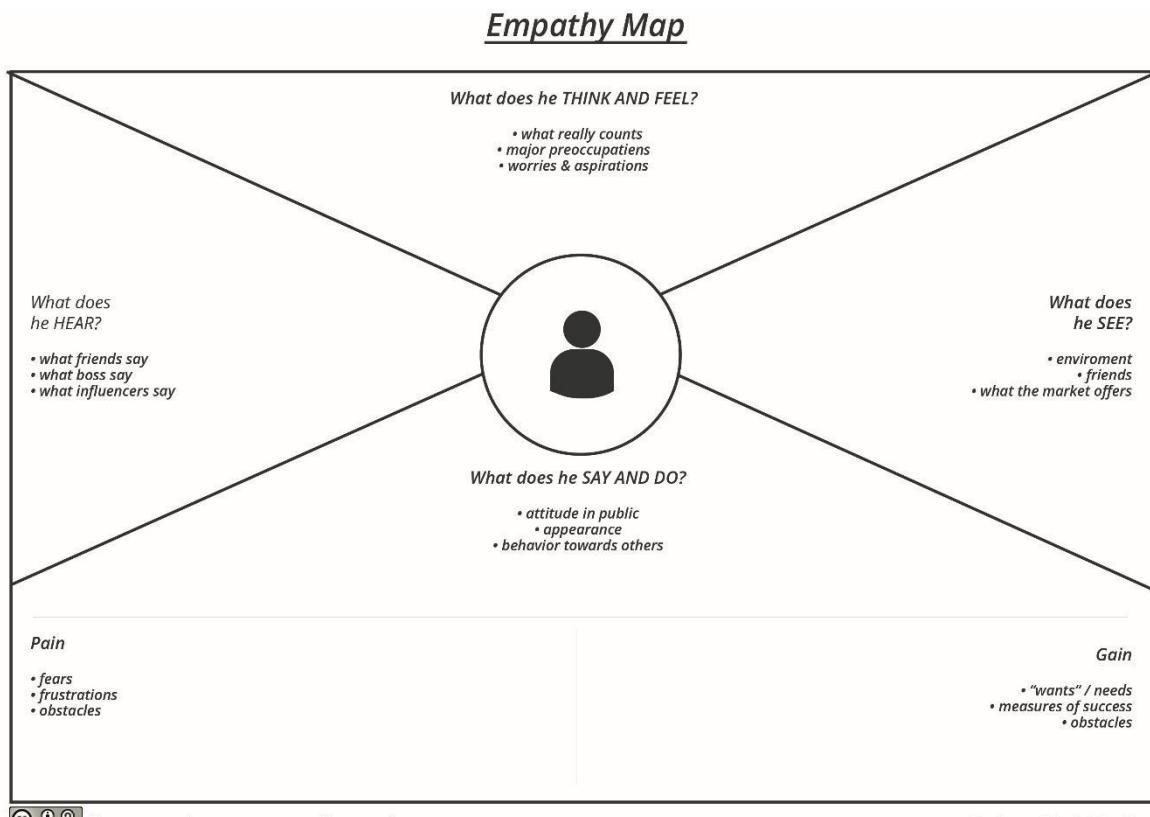
Empathy Map Canvas:

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes.

It is a useful tool to help teams better understand their users.

Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.

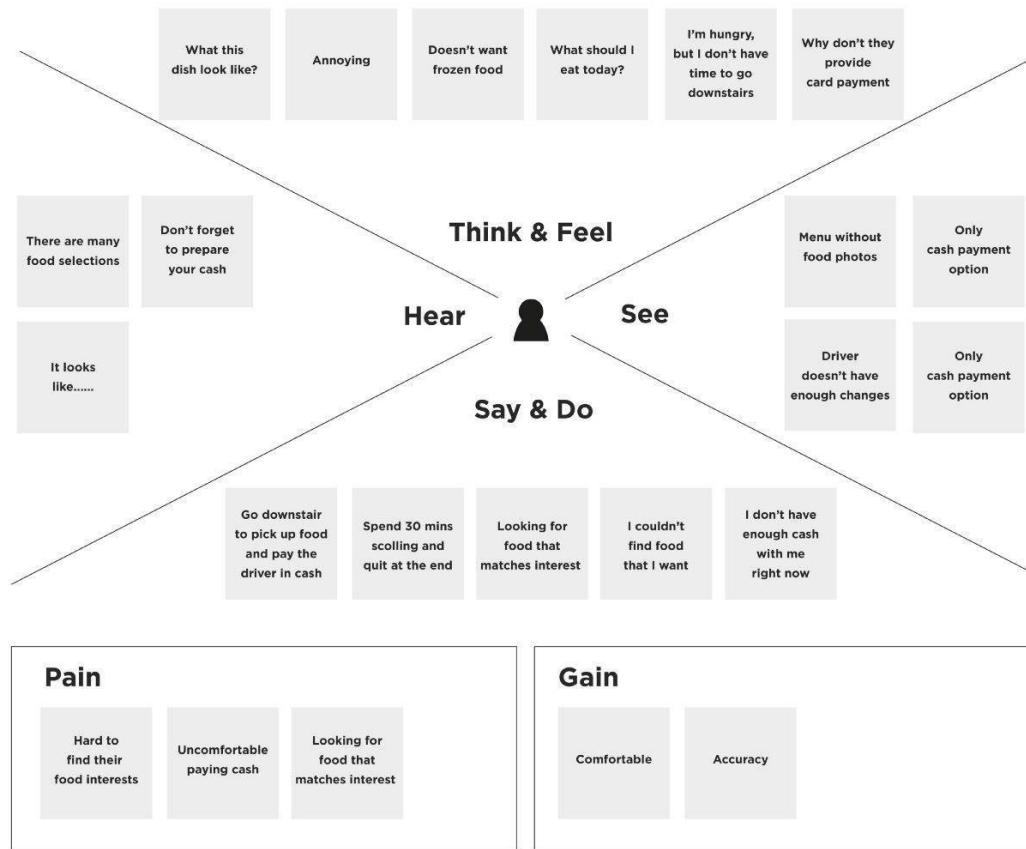
Example:



Business Model Toolbox

Reference: <https://www.mural.co/templates/empathy-map-canvas>

Example: Food Ordering & Delivery Application



Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy

User Type:

- Diabetic patients
- Ophthalmologists
- Hospitals & Clinics

What Does the User SAY?

- “I want early detection to avoid blindness.”
- “Screening takes too long.”
- “Access to specialists is limited.”

What Does the User THINK?

- “Is my vision getting worse?”

- “I need a quick diagnosis.”
 - “Medical tests are expensive.”
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What Does the User DO?

- Visit hospital for eye screening
 - Wait for specialist review
 - Undergo retinal imaging
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What Does the User FEEL?

- Worried about vision loss
 - Anxious about diagnosis
 - Frustrated with delays
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Pain Points

- Long waiting time
 - High consultation cost
 - Late-stage diagnosis
 - Limited access in rural areas
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Gains

- Early detection
- Quick results
- Affordable screening
- Support for doctors