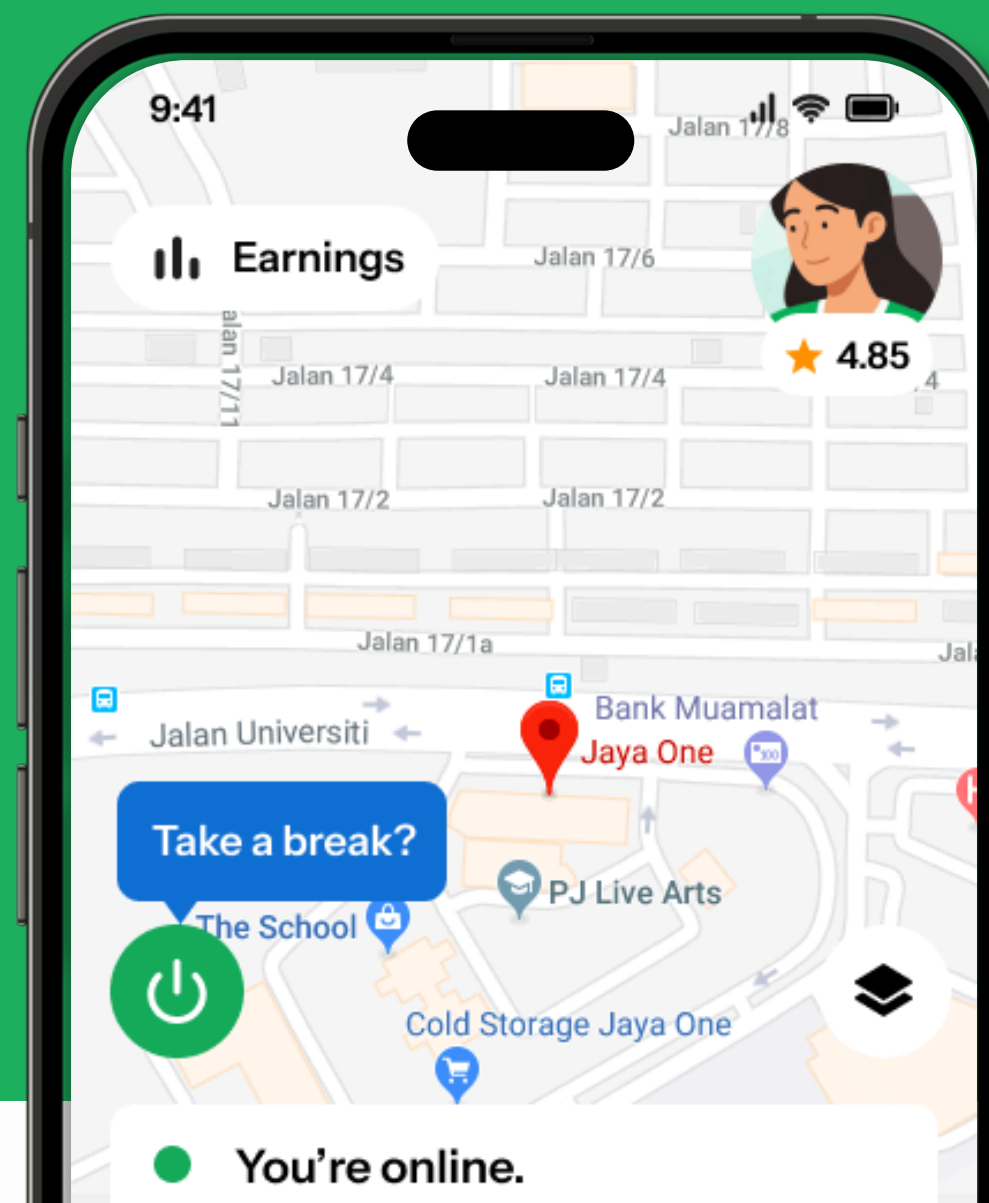


# Grabmate

Hands-Free Help for Smarter Rides

Presented By  
Team 4T1W



Grabmate

# Background Story

- People: 52-year-old full-time Grab driver from Kota Bharu, Kelantan
- Characteristic: Speak mostly Kelantanese Malay
- Situation:
  - Midway, passenger requests to change stop
  - Driver needs to:
    - Reroute navigation
    - Check new messages
    - Respond to GrabPay notifications
  - Environment: Raining heavily
- Therefore, too dangerous to check phone (stressful multitasking)



Grabmate

# Our Solution – GrabMate

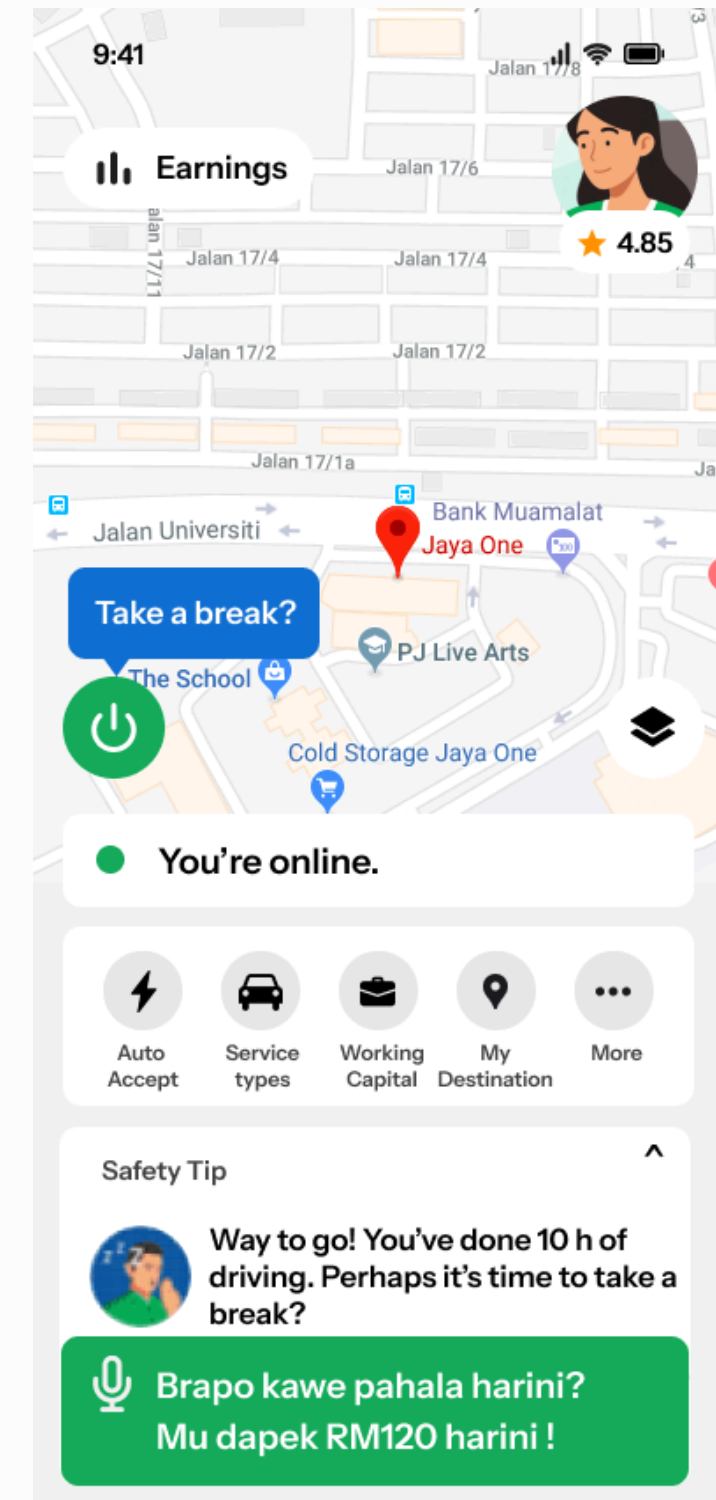
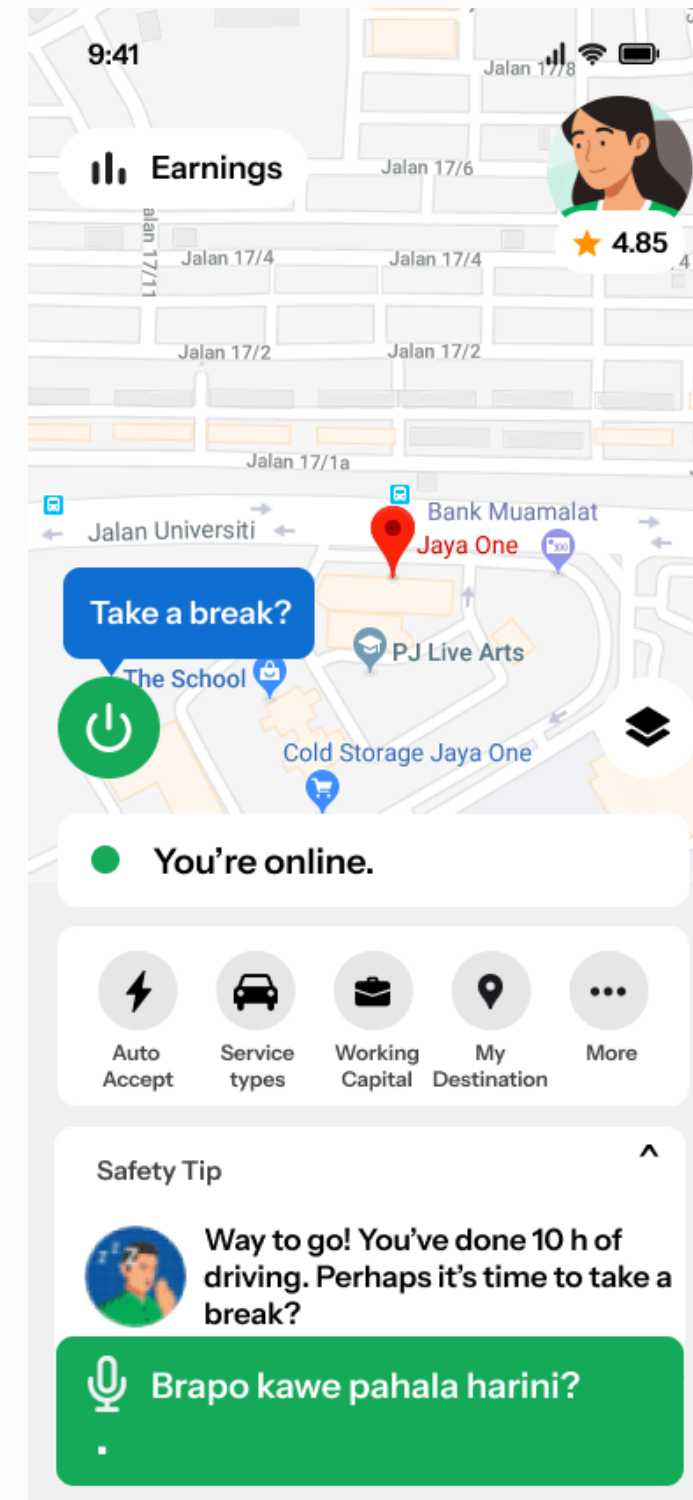
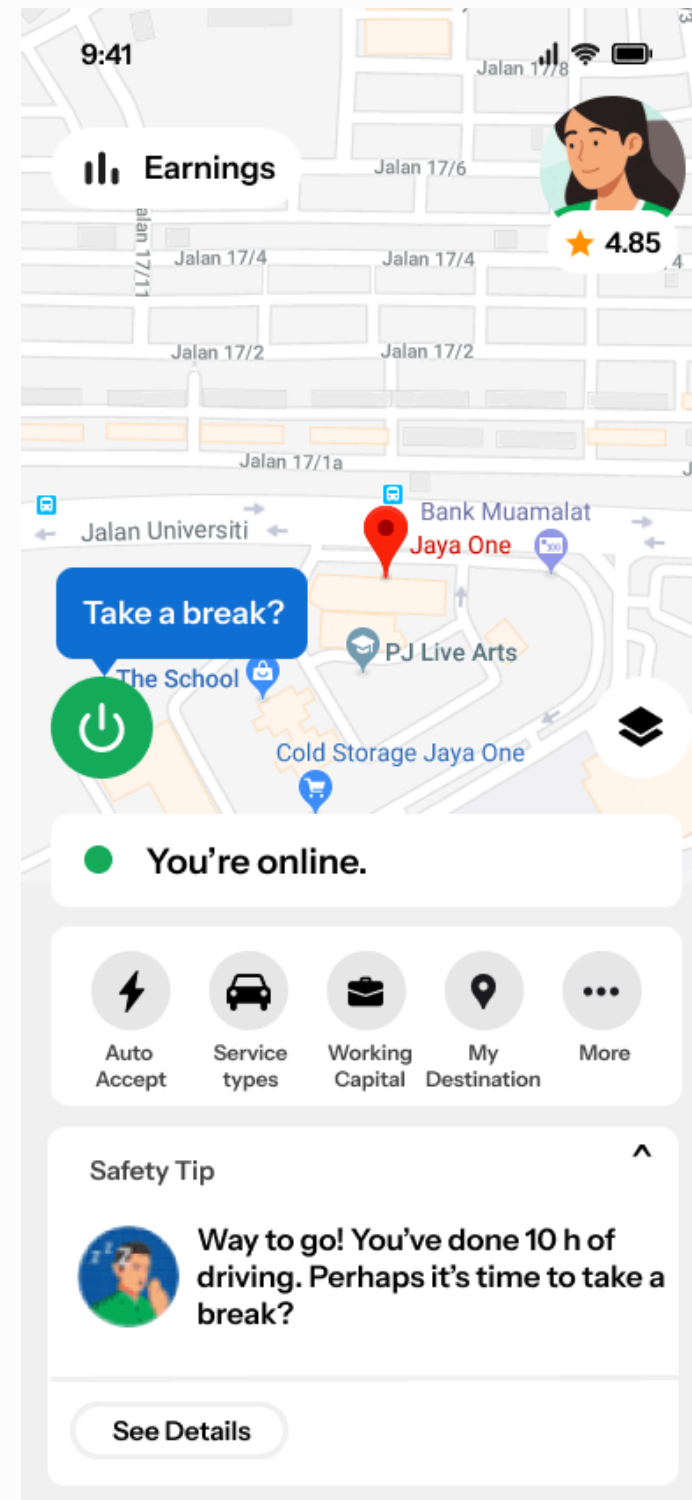
- A voice-centric assistant for Grab Drivers
- Support multi-language: Bahasa Malaysia, Kelate, Mandarin, English
- Support multiple function like:
  - Check earning
  - Check weather
  - Accept booking
  - Reject booking
  - Navigation
  - Traffic check
  - Stop request



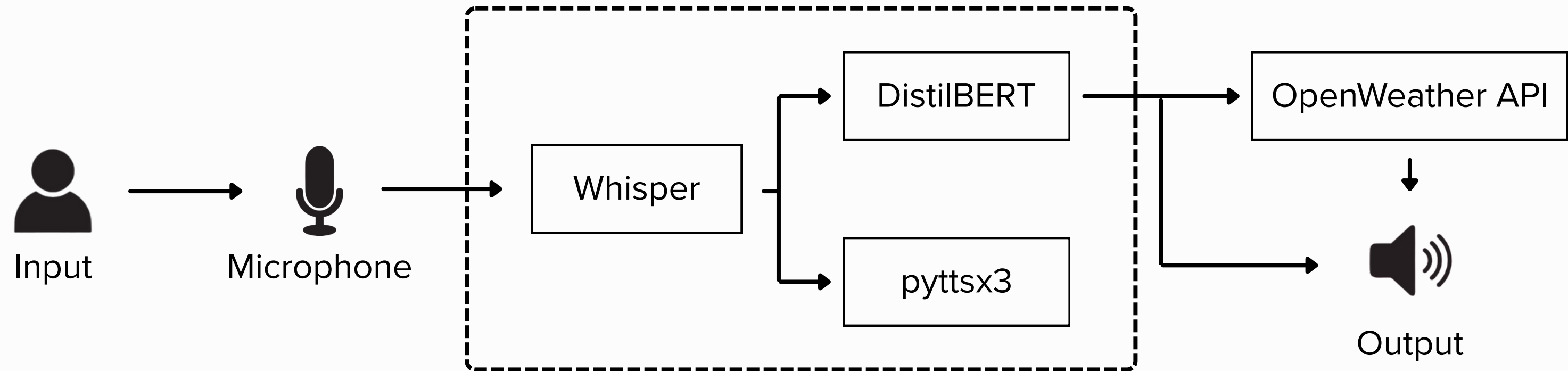
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# Our Solution – GrabMate



# Grabmate Solution Architecture



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# Future Improvements



- 01.** Expand command coverage
- 02.** Optimize latency for real-time usage
- 03.** Use a lighter model for on-device inference
- 04.** Voice Authentication & Security
- 05.** Extend support to cover more dialects and regional slangs
- 06.** Enhance model accuracy and speech recognition in noisy environment

# Thank You

Presented By Team 4T1W

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