

**Trimester March/April, 2025**

**CSE6224 SOFTWARE REQUIREMENTS ENGINEERING**

**Project Part 1**

**Topic: Campus Ride-Sharing Platform with**

**Parking System Integration**

**Requirements Elicitation Report**

|  |  |  |
| --- | --- | --- |
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1 Requirements Elicitation Plan

1.1 Selected Elicitation Techniques

Out of the many elicitation techniques, we decided to pick 3 of the most crucial to effectively gather key specifications and user expectations for the proposed system from our stakeholders.

1. Questionnaire

This technique helps to collect general opinions and preferences regarding parking and ride sharing features.

* Cost-effective and time-efficient
* Reaches a large number of respondents quickly
* Useful for identifying common issues and feature expectations

2. Interview

One-on-one interviews were conducted with selected stakeholders, including students, system administrators, and university IT staff to share thoughts and explore specific requirements in detail.

* Allows follow-up questions and clarification
* Provides detailed, context-rich insights
* Helps understand workflows, exceptions, and stakeholder goals

3. Prototyping

Figma prototypes were developed to demonstrate possible layouts and overall of the system. These were shown to stakeholders for feedback and confirmation.

* Helps validate assumptions before implementation
* Encourages stakeholders to express preferences and UI concerns
* Useful in discovering hidden usability or feature gaps

## 1.2 Tools Used

The table below is the tools used to execute our elicitation plans.

|  |  |  |
| --- | --- | --- |
| **Purpose** | **Tool** | **Examples / Notes** |
| **Communication** | Microsoft Teams, Google Meet | For conducting interviews or focus groups |
| **Survey Distribution** | Google Forms | For distributing and collecting surveys |
| **Note-Taking / Documentation** | Microsoft Word, Google Docs, NotePad | Used to record session notes, observations |
| **Recording / Transcription** | Otter.ai, OBS Studio | Used for recording and transcribing sessions |
| **Analysis / Categorization** | Excel, Google Sheets | For requirement sorting, Kano categorization, chart generation |
| **Collaboration** | Github | To store, share, and collaborate on documents |

## 1.3 Execution Method

### 1.3.1 Questionnaire Session

To collect quantitative feedback from potential users of the Campus Ride-Sharing and Parking System, an online questionnaire was conducted using Google Forms. A total of **34 valid responses** were received from students and staff of Multimedia University, Cyberjaya.

The questionnaire was designed following the Kano Model, a well-established framework for categorizing customer needs. For each system feature, participants were asked to respond to a pair of questions:

* One positive question (e.g., “If this feature exists, how would you feel?”)
* One negative question (e.g., “If this feature does not exist, how would you feel?”)

Each question used a 5-point Kano scale:

* I like
* I expect it
* I am neutral
* I can tolerate with it
* I dislike it

The questionnaire focused on 10 proposed features, such as login with student ID, illegitimate parking reports, parking space viewing, ride approval, and admin privileges. All responses were analyzed using a Kano evaluation grid to determine the correct classification of each feature: **Dissatisfiers (must-be) , Satisfiers (performance needs), or Delighters (excitement needs)**.

### 1.3.2 Interview Sessions

Two interviews were conducted with students representing both key user groups of the system:

1. **Driver Interview**: Conducted with Sow Chien Yee, a student who regularly drives to campus
2. **Rider Interview**: Conducted with Ng Zai Kit, a student who doesn't own a car

The interviews followed a structured format with questions categorized according to the Kano model (Dissatisfiers, Satisfiers, and Delighters) to effectively identify and prioritize requirements. Each interview lasted approximately 5-10 minutes and explored both ride-sharing and parking system features.

### 1.3.2 Prototype Session

A UI prototype was developed using Figma to visualize the visual design and core user interactions. This prototype was then presented to selected stakeholders for validation and feedback.

Three key stakeholders were selected based on their unique perspectives:

Goh Ming Yee – A student from the Faculty of Engineering (FOE) with prior experience using the MMU mobile application. He provided insights from an end-user perspective, focusing on usability and expectations based on existing systems.

Tan Jeng Seng – A student from the Faculty of Computing and Informatics (FCI) with a background in UI/UX design. He evaluated the prototype's layout, consistency, and user flow, offering design-oriented feedback.

Lai Zi Xuan – The project’s technical developer responsible for implementing the frontend. His feedback addressed the technical feasibility of the design and potential adjustments to optimize development.

Each stakeholder reviewed the prototype and provided structured feedback, which is included along with the prototype in the appendix.

2 Elicitation Execution and Findings  
2.1 Summary of Elicitation Sessions

### 2.1.1 Questionnaire Session

**Key outcomes from the questionnaire included:**

* Login functionality, real-time parking visibility, and ride approval were consistently marked as **must-have features**
* Admin tools and interactive features were rated positively as **performance enhancers**
* Gamified elements and convenience features, such as booking faculty rides or viewing car owner details, were classified as **delighters**

### 2.1.2 Interview Session

**Summary of Key Findings:**

* Drivers prioritize safety and prefer manual control over rider selection with gender filters
* Riders value convenience and automatic matching with basic verification
* Both groups are motivated by rewards and would use reporting features
* Privacy concerns exist regarding sharing personal information in parking systems
* Real-time parking information is highly valued by all users

### 2.1.3 Prototype Session

**Summary of Key Findings:**

**Usability/Expectation :**

* A reporting feature is preferable next to the feedback button after the ride.
* An additional sign up/log in is not required due to the MMU app already having their own verification system, which would be optimal if the data is able to integrate into the system.

**UI/UX:**

* Instead of jumping to another page to obtain car detail information, Admins would prefer to see only the important information that can assist them in contacting the owner.
* While not a priority, a dark mode would be preferable if driving during the night.

**Technical:**

* A method needs to be used to assign each car park with their own parking number ID, and should stay there when resizing the map, this would be the most tiem consuming part within the system.

2.2 Categorized Requirements (Based on Kano)

### 2.2.1 Questionnaire Session

Based on the questionnaire analysis, the following features were classified using the Kano model:

|  |  |  |
| --- | --- | --- |
| **Feature** | **Kano Category** | **Justification** |
| Login with Student ID and password | **Dissatisfiers** | The majority of users expected this as a basic requirement for secure access. Its absence caused high dissatisfaction. |
| Report illegitimate parking | **Satisfier** | Users strongly preferred this feature and found it helpful but could still accept its absence. |
| Rider can book a ride with a faculty member | **Delighter** | Viewed positively, but most respondents did not expect it as a standard feature. |
| Driver can override or empty a reserved parking spot | **Satisfier** | Seen as useful in real-world scenarios. Opinions were split on necessity, but users liked having the option. |
| Drivers can view available parking spaces | **Dissatisfiers** | Strong expectation among respondents. Considered essential for parking navigation and validation. |
| Interactive school map with zoom | **Satisfier** | Considered helpful and practical, but not essential. Appreciated as a usability enhancement. |
| Drivers can accept or decline ride requests | **Dissatisfiers** | Strong agreement that this is a necessary control for safety and comfort, especially for drivers. |
| Admin login using Admin ID | **Dissatisfiers** | Considered a baseline administrative function. Strong dissatisfaction if unavailable. |
| Admin can view reported parking violations | **Satisfier** | Seen as valuable to enforce parking rules and respond to reports, but not a core system function for all users. |
| Admin can view car owner details | **Delighter** | Viewed as useful by some, but not necessary for most. Privacy concerns noted in free-text comments. |

### 2.2.2 Interview Session

|  |  |  |
| --- | --- | --- |
| **Category** | **Requirement Group** | **Details** |
| **Dissatisfiers** | Ride Information Fundamentals | - Time of departure  - Pick-up location and destination  - Driver details (including picture)  - Number of available seats  - Ride Costs view |
| Safety and Verification | - University verification for all users  - Basic security measures |
| Parking Information | - Real-time parking availability  - Map location of parking spots |
| **Satisfiers** | Ride Approval and Matching | - Manual approval (preferred by drivers)  - Automatic matching (preferred by riders)  - Gender/faculty filters  - Recurring ride booking |
| Parking System Enhancement | - Best lot suggestions based on destination  - Partial vehicle identification in parking (mixed privacy opinions) |
| **Delighters** | Incentive Systems | - Fuel savings / carbon reduction stats  - Reward system (e.g., fuel compensation or redeemable points) |
| Safety and Convenience Enhancements | - Location sharing with friends  - Star rating system  - Illegitimate parking reporting with photo evidence |

### 2.2.3 Prototype Session

|  |  |  |
| --- | --- | --- |
| **Category** | **Feedback Item** | **Rationale** |
| **Dissatisfier** | No extra sign-up/login needed since MMU app already has verification; prefer system to integrate with that. | Users expect seamless access via existing systems. Requiring extra login would create redundant processes. |
| **Dissatisfier** | Admins prefer important car details shown directly, not on a separate page. | Only necessary information is needed, too much extras will clog up the screen and effect user experience. |
| **Satisfier** | Reporting feature placed next to the feedback button after rides. | This adds useful control and accountability, increasing satisfaction — but users may still use the app without it. |
| **Satisfier** | Assigning unique parking number IDs and keeping them stable when resizing the map. | Affects usability and accuracy — important for performance, but not a base expectation. |
| **Delighter** | Dark mode option for night-time driving. | Not expected, but appreciated when present — a classic excitement feature. |

2.3 Observations and Notes

2.3.1 Questionnaire Session

The following key observations were made during the analysis of 34 responses collected through the Kano-model-based questionnaire:

**General Findings and Interesting Observations:**

* Most users strongly expect **basic security and identity features**, such as login using student/staff ID, to be present. These were consistently rated as “must-be”.
* **Real-time parking visibility and ride request approval** were also perceived as baseline expectations.
* Users appreciated **interactive and visual features**, like a zoomable campus map and viewable license plate, especially for parking navigation.
* There was a **high positive response** to administrative control features, even among student respondents, suggesting a general appreciation for well-managed systems.

**Conflicting or Ambiguous Feedback:**

* Responses were mixed on the feature that allows **drivers to override or empty reserved parking spots**. Some viewed it as useful, others raised concerns about misuse or fairness.
* The feature to **book a ride with faculty members** was received positively by some users (as a novel idea), but others found it irrelevant or unnecessary.
* There were diverging preferences on **car plate visibility**—while many supported it for verification, others expressed privacy concerns.

**Impact on SRS:**

* Features that were strongly rated as "must-be" (such as student login, parking visibility, and ride control) were confirmed and prioritized in the functional requirement list.
* Features with conflicting feedback were either marked as **optional**, **configurable**, or **to be validated during prototype testing** (e.g., override parking, view car owner info).
* Delighter-type features, such as reporting parking violations or booking with faculty, were included as **enhancements**, not core functions, to balance scope and development effort.

2.3.2 Interview Session

* **Gender-based Safety Concerns**: Female drivers expressed significant preference for same-gender riders, suggesting safety filters are essential rather than optional.
* **Privacy vs. Accountability Balance**: Differing opinions regarding the sharing of personal information in the parking system highlight the need for careful consideration of privacy implications.
* **Verification Importance**: University verification appears to be a key trust factor that enables users to feel comfortable with the ride-sharing concept.
* **Economic Incentives**: Both interviewed users expressed that monetary incentives or rewards would significantly increase their motivation to use the platform.
* **Automatic vs. Manual Preferences**: There was a clear preference difference between drivers (preferring manual approval) and riders (preferring automatic matching), indicating a need for a hybrid approach.
* **Illegitimate Parking Concerns**: Both participants expressed strong interest in a reporting mechanism for parking violations, suggesting this is a common pain point on campus.

2.3.3 Prototype Session

3 Appendices

**3.1.1 Questionnaire Session**

The questionnaire was structured according to the **Kano Model** to identify which system features are considered essential, performance-enhancing, or delightful. For each feature, two questions were used:

* A **positive scenario**: *"If this feature exists, how would you feel?"*
* A **negative scenario**: *"If this feature does not exist, how would you feel?"*

A total of **10 features** were evaluated (20 questions total). These features covered login authentication, carpooling controls, parking features, and administrative functions.

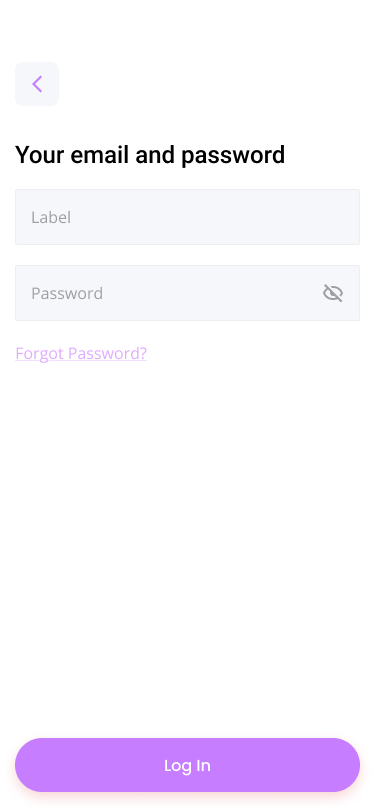
|  |  |  |
| --- | --- | --- |
| **Feature** | **Positive Question** | **Negative Question** |
| Login with Student ID and password | If the system allows users to log in using Student ID and password, how would you feel? | If the system does not allow users to log in using Student ID and password, how would you feel? |
| Report illegitimate parking | If the system allows users to report illegitimate parking, how would you feel? | If the system does not allow users to report illegitimate parking, how would you feel? |
| Book ride with faculty | If the system allows students to book a ride with a faculty member, how would you feel? | If the system does not allow students to book a ride with a faculty member, how would you feel? |
| Override reserved parking spot | If the system allows drivers to override or clear a reserved parking spot, how would you feel? | If the system does not allow drivers to override or clear a reserved parking spot, how would you feel? |
| View parking spaces and plate info | If the system allows drivers to view available parking spaces and license plate numbers, how would you feel? | If the system does not allow drivers to view available parking spaces and license plate numbers, how would you feel? |
| Interactive school map | If the system provides a zoomable interactive school map, how would you feel? | If the system does not provide a zoomable interactive school map, how would you feel? |
| Accept/decline ride requests | If the system allows drivers to accept or decline ride requests, how would you feel? | If the system does not allow drivers to accept or decline ride requests, how would you feel? |
| Admin login | If the system allows an admin to log in using an admin ID and password, how would you feel? | If the system does not allow an admin to log in using an admin ID and password, how would you feel? |
| Admin view reported violations | If the system allows an admin to view reported parking violations, how would you feel? | If the system does not allow an admin to view reported parking violations, how would you feel? |
| Admin view car owner info | If the system allows an admin to view car owner information, how would you feel? | If the system does not allow an admin to view car owner information, how would you feel? |

Raw responses are included in the project GitHub in CSV format

**3.1.2 Interview Session**

Authentication system

A screenshot of a phone number and password

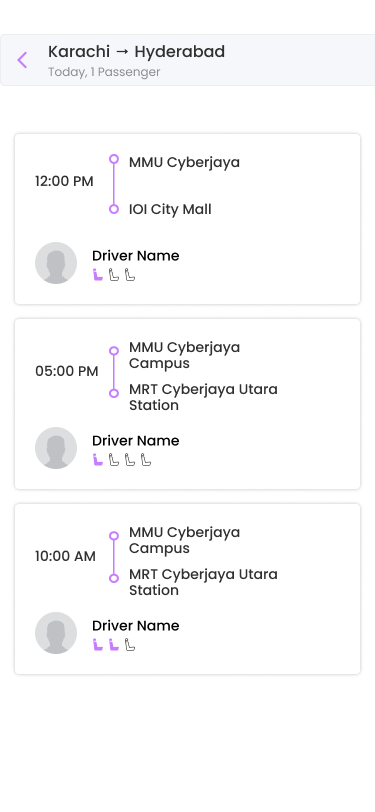
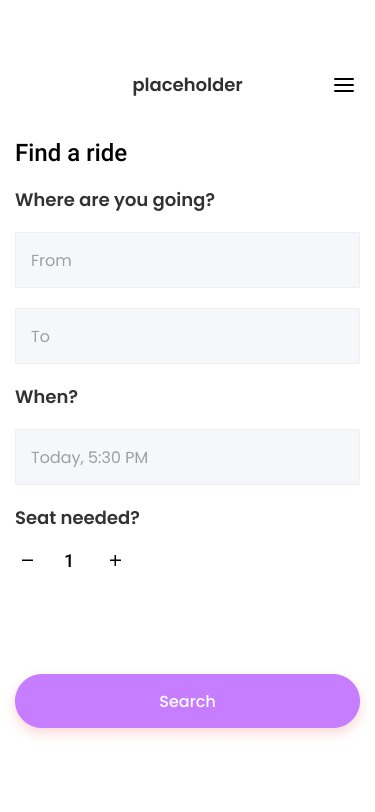
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A screenshot of a phone

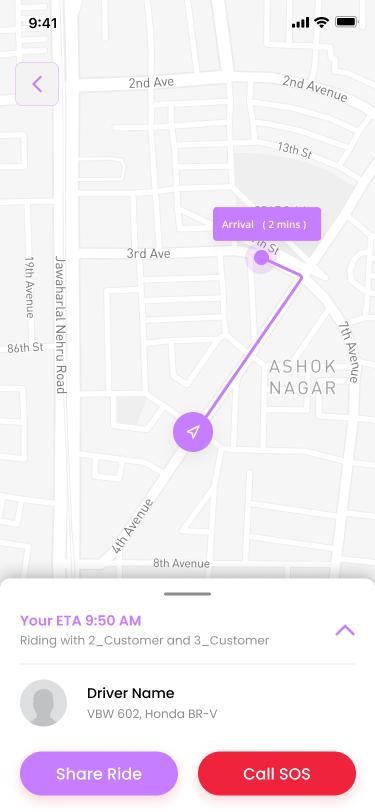
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This is a prototype of a simple authentication system for the whole application, it included a simple form of register as a user and login form for normal users, drivers and even administrators. The third image provided shows a form of a normal user register as a driver. The driver registration form needs to be detailed to let administrators to register the user as a driver.

Car-pooling system/Campus Ride-Sharing system (normal user side)

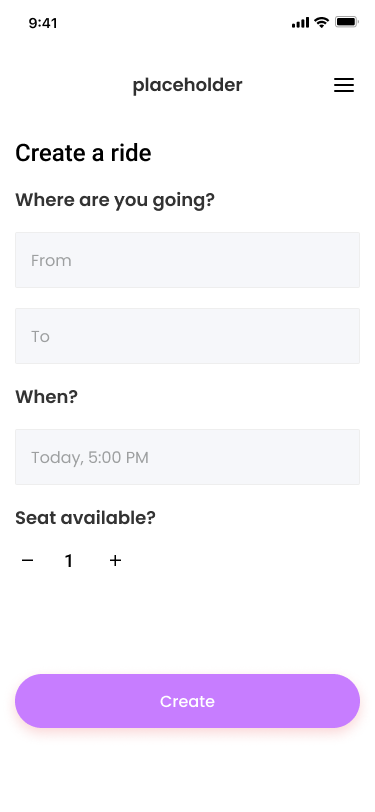


A screenshot of a phone

AI-generated content may be incorrect.

This system shows the normal users’ side of carpooling/campus ride-sharing system. The system allows normal users to book/request a ride. Apart from other carpooling/ride-sharing system which auto find driver for customers, this system lets normal users choose their appropriated route to optimize best routes for both drivers and customers.

Car-pooling system/Campus Ride-Sharing system (driver’s side)

A screenshot of a phone

AI-generated content may be incorrect.A screenshot of a phone

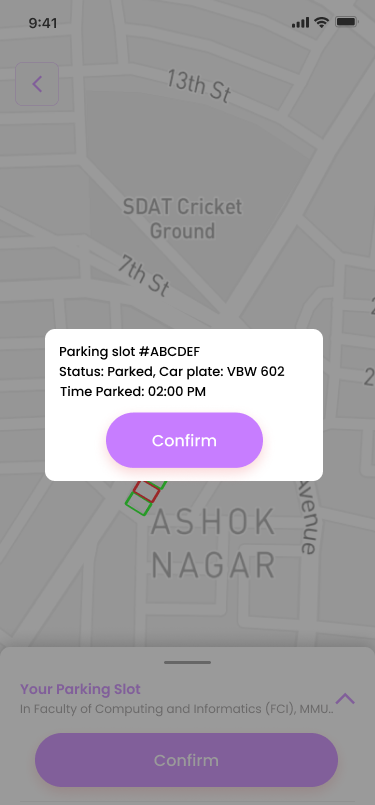
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This one shows the driver’s side of the carpooling/campus ride-sharing system. Drivers can create ride for customers to join ride, as from earlier normal users can choose ride. The purpose of the driver to create ride is to let driver to go to their own destination after the ride and to let normal riders to join without interrupting the driver’s route.

Parking System

A screenshot of a phone

AI-generated content may be incorrect.A map of a city

AI-generated content may be incorrect.

This parking system is made for normal users (mostly students) to find a parking slot inside campus. The system features an automatic parking finding system and a manual parking booking system to let users to book a parking instantly (for automatic parking searching system) and for users to book a parking for a certain time slot (for manual parking booking system). Users and admins can view parking info if the slot is taken according to image 3.

Administrative system

Screens screenshot of a contact us

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This is the administrative system for the prototype application. The system can let administrators to view driver details for car-pooling/ride-sharing system and parking information for parking system. The purpose of the administration is to ensure that drivers are being approved manually for application of car-pooling/ride-sharing system, and also to view and update the availability of the parking of the parking system.

**3.1 Raw Notes or Transcripts**



Two interview transcripts were collected and can be viewed in InterviewRecordings:

1. Interview with Sow Chien Yee (Driver perspective)
2. Interview with Ng Zai Kit (Rider perspective)

The complete transcripts contain detailed responses to questions about ride-sharing preferences, safety concerns, matching preferences, parking system requirements, and feature priorities.

Transcript 1

|  |
| --- |
| Teh Li wei (Interviewer): Okay, I'm Li Wei and I'm currently working on a software requirements project. So the title is about a ride sharing and parking system. The goal of this interview is to gather your thoughts on how the system should work and what details matter to you as a user. So can you introduce yourself before we start the interview?  Interviewee: Sure. My name is Sow Chien Yee and I am a student in MMU. I usually drive to school when i have class.  Teh Li wei (Interviewer): Alright. So our question is, what information do you think must be required when offering a ride?  Interviewee: I think the information that must be required is about the time to depart from the location and the destination of the location.  Teh Li wei (Interviewer): Alright, so would you feel safe letting someone you don't know to join your car if they are a verified student? And tell me why or why not?  Interviewee: Actually, I don't really feel safe if I'm a male stranger because I usually drive alone and then I usually prefer my rider is girl.  Teh Li Wei (Interviewer): Even iff he is verified user?  Interviewee: Yeah.  Teh Li Wei (Interviewer): So would you prefer to manually approve a rider or let the system match you automatically and tell me why?  Interviewee: I will prefer to manually approve them because I think this is more convenient and also efficient.  Teh Li Wei (Interviewer): Alright, so what kind of filters would be helpful when matching with a rider like gender, faculty, race?  Interviewee: I think gender and faculty because like I mentioned just now, if female is, I can feel more safety because usually girls with girls are more comfortable.  Teh Li Wei (Interviewer): So if the system could show you your estimated fuel safe or carbon footprint reduction, so would that motivate you to offer more rides?  Interviewee: Yes, that will motivate me.  Teh Li Wei (Interviewer): So if you could earn a small profit, or rewards like fuel compensation or redeemable points for the campus perks for each ride you offer, would that make you more motivated to use the platform?  Interviewee: Yeah for sure, that will motivate me too.  Teh Li Wei (Interviewer): Okay, so the continue questions are about the parking system to see the empty parking slot. So what do you expect when viewing the parking availability like real-time count and location?  Interviewee: I will expect them to have real-time count. Because sometimes this can let us know on the next second if the parking spot got empty spaces  Teh Li Wei (Interviewer): OK. So would it help if the app could suggest the best parking lot based on your destination?  Interwiewee: Yes it will help.  Teh Li Wei (Interviewer): Alright, so would you prefer to view claim parking spot along with the name or plate number of the person who claimed it? Why or why not?  Interviewee: I would prefer to view parking spot along with the name and plate number because sometimes if anything happen we can contact them immediately.  Teh Li Wei (Interviewer): Alright, so if there was a report illegitimate parking feature with the photo upload. Would you use it? Why or why not?  Interviewee: Yes, definitely I will use it because we can report any illegal parking. Because this illegal parking is a very common issue. It's a very big issue nowadays. So I think the feature with photo uploads is very helpful to make sure that this report is real.  Teh Li Wei (Interviewer): Okay, alright. Thank you for the interview.  Interviewee: Thank you. |

Transcript 2

|  |
| --- |
| Teh Li Wei (Interviewer): So I'm Li Wei and I'm currently working on a software requirements project. So the title is about a ride sharing and parking system. The goal of this interview is to gather your thoughts on how the system should work and what details matter to you as a user. So can you introduce yourself before we start the interview?  Interviewee: My name is Ng Zai Kit and I'm a student of MMU.  Teh Li Wei (Interviewer): Okay, so there's the question. You are the riders (role of this system), because you don't have car right?  Interviewee: Yes.  Teh Li Wei (Interviewer): Okay, so first question. When requesting a ride, what details do you expect to see before confirming?  Interviewee: I think I will need to know the picture of the drivers and how many seats they have and did they have any other customer. The most important is the price.  Teh Li Wei (Interviewer): Ah, the price. Would you feel comfortable getting into a car with someone you don't know if they are verified by the university system?  Interviewee: It's okay for me because I think it is verified by the university and I think it will be safe.  Teh Li Wei (Interviewer): Alright, so would you like the system to allow recurring ride bookings?  Interviewee: Yeah, because it's more convenient for us to booking a car like one day before and you don't have to book at the...time so rush.  Teh Li Wei (Interviewer): So when booking a ride, would you prefer to choose the driver manually or let the system automatically match one for you based on location and destination and why?  Interviewee: Yeah it have to be automatically because like, if I choose it (manually), it waste my time and lot of thing to do if automatically can do all the things for me, is will be the best.  Teh Li Wei (Interviewer): Alright. So if you could rate the review each ride experience, would you actually use the feature?  Interviewee: Not for writing but I will give the starring rating.  Teh Li Wei (Interviewer): Okay. So would you use a feature where your friends can see your live location during the ride?  Interviewee: Yeah, I think it's okay for me because if my friend can see my location I think it's more safety if I have anything happen my friend can know in the first time (instantly).  Teh Li Wei (Interviewer): Alright so the continual question is about the parking system. So what do you expect when viewing the parking availability like real time count and map location?  Interviewee: Yeah it's a great feature because it's more convenient for other people to finding parking if there are no parking in that spot, so the person don't have to find it so hard.  Teh Li Wei (Interviewer): Okay, does it help if the app could suggest the best parking lot based on your destination?  Interviewee: Yeah. If the features is like this, it is a good features because now I don't see any apps got this kind of features. So I think it's a good try.  Teh Li Wei (Interviewer): Would you prefer to view claim parking spots along with the name or plate number of the person who claimed it? Why or why not?  Interviewee: I wouldn't recommend this because it's some privacy issues. For me, I think we just need to know about the plate number is okay. If we know about the person name or other details, I think it's not very good like this.  Teh Li Wei (Interviewer): If there was a report illegitimate parking feature with photo upload, would you use it? Why or why not?  Interviewee: Yes, I will use it because for me, I really hate other people parking illegally and I think this is a better way to let other people know about the properly parking is very important.  Teh Li Wei (Interviewer): Okay, thank you for the interview. |

3.2 Interview Templates

**Survey Results for Questionnaire**

**Visual Summary of Kano Classification**

To better illustrate the outcome of the questionnaire-based analysis, the following chart summarizes the distribution of the 10 features across the three Kano model categories.

**Figure 1: Distribution of Features by Kano Category**

The pie chart below illustrates the distribution of ten system features across the three Kano model categories based on user feedback from the questionnaire. Each feature was analyzed using paired positive and negative questions to determine its perceived importance.

* Must-be (light green): Core features that users expect by default, such as login, ride approval, and parking visibility. Their absence causes significant dissatisfaction.
* Satisfiers (dark green): Features that increase satisfaction if present, such as illegitimate parking reporting and admin management tools.
* Delighters (yellow): Value-added features that pleasantly surprise users, such as booking with faculty or viewing owner information.

This chart highlights that most features were classified as Must-be or Satisfiers, indicating that user expectations are focused on core security and control functionality, while a few features offer opportunities for added user engagement.

A pie chart with text on it

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**Figure 2: Feature Breakdown by Kano Category**

The following bar chart visualizes the Kano classification of each feature based on user responses. It shows that most features were considered either Must-be (essential expectations) or Satisfiers (performance needs), while a few were categorized as Delighters (unexpected but appreciated features).

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**A graph with multiple colored lines

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**Interview Structure and Templates**

The interviews followed a structured format using questions categorized according to the Kano model. Two separate interview templates were created for the different user groups:

**Driver Interview Template:**

*Dissatisfiers (Must-Have Features):*

1. What information do you think must be required when offering a ride? (time/destination)
2. Would you feel safe letting someone you don't know join your car if they are a verified student? Why or why not?

*Satisfiers (Performance Features):*

1. Would you prefer to manually approve riders, or let the system match you automatically? Why?
2. What kind of filters would be helpful when matching with a rider? (gender/faculty/race)

*Delighters (Excitement Features):*

1. If the system could show you your estimated fuel saved or carbon footprint reduction, would that motivate you to offer more rides?
2. If you could earn a small profit or reward (fuel compensation/redeemable points for campus perks) for each ride you offer, would that make you more motivated to use the platform?

**Rider Interview Template:**

*Dissatisfiers (Must-Have Features):*

1. When requesting a ride, what details do you expect to see before confirming (driver name, student ID, car model, plate number)?
2. Would you feel comfortable getting into a car with someone you don't know if they are verified by the university system? Why or why not?

*Satisfiers (Performance Features):*

1. Would you like the system to allow recurring ride bookings? (max one day before)
2. When booking a ride, would you prefer to choose the driver manually, or let the system automatically match one for you based on location and destination? Why?

*Delighters (Excitement Features):*

1. If you could rate and review each ride experience, would you actually use that feature?
2. Would you use a feature where your friends can see your live location during the ride (optional)?

**Both User Groups Template:**

*Dissatisfiers (Must-Have Features):*

1. What do you expect when viewing the parking availability (real-time count, map location)?

*Satisfiers (Performance Features):*

1. Would it help if the app could suggest the best parking lot based on your destination?
2. Would you prefer to view claimed parking spots along with the name or plate number of the person who claimed it? Why or why not?

*Delighters (Excitement Features):*

1. If there was an "Report Illegitimate Parking" feature with photo upload, would you use it? Why or why not?

**Interview Summary Results**

The following tables summarize the key findings from the interviews:

**Driver Responses (Sow Chien Yee):**

|  |  |
| --- | --- |
| **Question Category** | **Key Response** |
| Essential Ride Information | Time of departure and destination location |
| Safety with Unknown Riders | Not fully comfortable, prefers female riders even with verification |
| Matching Preference | Prefers manual approval for convenience and efficiency |
| Filter Preferences | Gender and faculty filters preferred for safety |
| Fuel/Carbon Tracking | Would be motivated by this feature |
| Reward System | Confirmed this would increase motivation |
| Parking Information | Expects real-time count for immediate availability |
| Parking Suggestions | Found this feature helpful |
| Viewing Parking Claims | Prefers seeing name and plate number for contact purposes |
| Illegitimate Parking Reports | Would definitely use this feature to report common issues |

**Rider Responses (Ng Zai Kit):**

|  |  |
| --- | --- |
| **Question Category** | **Key Response** |
| Expected Ride Details | Driver picture, available seats, passenger count, and price |
| Comfort with Verified Drivers | Comfortable due to university verification |
| Recurring Bookings | Prefers this feature for convenience and avoiding rush |
| Matching Preference | Prefers automatic matching to save time |
| Rating Feature | Would use star ratings but not written reviews |
| Location Sharing | Would use for safety reasons |
| Parking Information | Values real-time information for convenience |
| Parking Suggestions | Sees this as a valuable and unique feature |
| Viewing Parking Claims | Prefers only plate number due to privacy concerns |
| Illegitimate Parking Reports | Would use to discourage illegal parking |

3.3 References

1. GeeksforGeeks (2025 April 2) Requirements Elicitation – Software Engineering , <https://www.geeksforgeeks.org/software-engineering-requirements-elicitation/>
2. ResearchGate (2016 April) The Elicitation Interview Technique: Capturing People’s Experiences of Data Representations  
   <https://www.researchgate.net/publication/287995118_The_Elicitation_Interview_Technique_Capturing_People's_Experiences_of_Data_Representations>