

# Following is the Card Sorting for Bus Tracking System

## Features

1. Real-time Location Tracking
2. Route Planning
3. User Authentication
4. Bookmarks/Favorites
5. Bus Information
6. Bus Stop Information
7. Map Display
8. Admin Panel
9. Feedback Mechanism
10. Push Notifications
11. Payment Integration
12. Ride Booking
13. Driver Information
14. Ride Sharing
15. Estimated Fare Calculation
16. Trip History
17. SOS/Emergency Button
18. Cancel/Modify Booking
19. Driver Ratings & Reviews
20. Multi-language Support
21. Trip Summary & Receipt
22. Loyalty/Reward Programs
23. Split Fare
24. Live Traffic Updates
25. Scheduled Rides

## Card Sort(Open)

<https://www.provenbyusers.com/cs.php?c=r43828904>

Above is the Open Card Sort Form

## Results

### Participants Data

Identifier	Status	Last Saved	Time	# Groups
User1	Saved for Later	10/07/2024 07:38pm	00:01:47	2
User2	Completed	10/07/2024 07:40pm	00:04:40	6

User3	Completed	10/07/2024 07:40pm	00:04:13	2
User4	Completed	10/07/2024 07:42pm	00:04:56	5
User5	Completed	10/07/2024 07:42pm	00:00:08	5
User6	Completed	10/07/2024 07:56pm	00:02:44	3
User7	Completed	10/07/2024 08:44pm	00:05:57	9

## Groups

Group Name	Merged Group Name	# Participant s Used	# Cards	# Unique Cards	Agreement	Cards	Group Comment s
Best for Students	Best for Students	1	3	3	1.00	Split Fare (1) Estimated Fare Calculation (1) Ride Sharing (1)	
Better Rides Planning	Better Rides Planning	1	3	3	1.00	Live Traffic Updates (1) Bookmarks/Favorites (1) Route Planning (1)	
Booking Ride	Booking Ride	2	14	7	1.00	Scheduled Rides (2) Split Fare (2) Cancel/Modify Booking (2) Trip History (2) Estimated Fare Calculation (2) Ride Sharing (2) Ride Booking (2)	
Bus Info	Bus Info	2	8	4	1.00	Driver Ratings & Reviews (2) Driver Information (2) Feedback Mechanism (2) Bus Information (2)	
Cab booking Application	Cab booking Application	1	16	16	1.00	Scheduled Rides (1) Split Fare (1) Loyalty/Reward	

Group Name	Merged Group Name	# Participants Used	# Cards		# Unique Cards	Agreement	Cards	Group Comments
						Programs (1) Trip Summary & Receipt (1) Multi-language Support (1) Driver Ratings & Reviews (1) Cancel/Modify Booking (1) Trip History (1) Ride Sharing (1) Driver Information (1) Ride Booking (1) Payment Integration (1) Feedback Mechanism (1) Admin Panel (1) User Authentication (1) Real-time Location Tracking (1)		
Driver Details	Driver Details	1	2	2	1.00	Driver Ratings & Reviews (1) Driver Information (1)		
Emergency	Emergency	1	1	1	1.00	SOS/Emergency Button (1)		
Features	Features	1	7	7	1.00	Trip Summary & Receipt (1) Trip History (1) Push Notifications (1) Feedback Mechanism (1) Admin Panel (1) Bus Stop Information (1) User Authentication		

Group Name	Merged Group Name	# Participants Used	# Cards		# Unique Cards	Agreement Cards	Group Comments
						(1)	
Functionalities	Functionalities	1	8	8	1.00	Scheduled Rides (1) Multi-language Support (1) Cancel/Modify Booking (1) Driver Information (1) Ride Booking (1) Payment Integration (1) Map Display (1) Bus Information (1)	
Key Features	Key Features	1	7	7	1.00	Multi-language Support (1) Payment Integration (1) Push Notifications (1) Feedback Mechanism (1) Admin Panel (1) Bookmarks/Favorites (1) User Authentication (1)	
Login	Login	1	2	2	1.00	Admin Panel (1) User Authentication (1)	
Main	Main	2	14	7	1.00	Loyalty/Reward Programs (2) Multi-language Support (2) SOS/Emergency Button (2) Admin Panel (2) Bookmarks/Favorites (2) User Authentication (2)	

Group Name	Merged Group Name	# Participants Used	# Cards		# Unique Cards	Agreement	Cards	Group Comments
						Route Planning (2)		
Maps	Maps	2	10	5	1.00	Live Traffic Updates (2) Push Notifications (2) Map Display (2) Bus Stop Information (2) Real-time Location Tracking (2)		
Notifications	Notifications	1	2	2	1.00	Loyalty/Reward Programs (1) Push Notifications (1)		
Payment	Payment	2	4	2	1.00	Trip Summary & Receipt (2) Payment Integration (2)	User4 : Add trip summary in booking also User5 : Add trip summary in booking also	
Payment Mode	Payment Mode	1	1	1	1.00	Payment Integration (1)		
Price	Price	1	3	3	1.00	Split Fare (1) Estimated Fare Calculation (1) Ride Booking (1)		
Public transport	Public transport	1	9	9	1.00	Live Traffic Updates (1) SOS/Emergency Button (1) Estimated Fare Calculation (1) Push Notifications (1) Map Display (1) Bus Stop		

Group Name	Merged Group Name	# Participants Used	# Cards		# Unique Cards	Agreement	Cards	Group Comments
						Information (1) Bus Information (1) Bookmarks/Favorites (1) Route Planning (1)		
Rest	Rest	1	2	2	1.00	Loyalty/Reward Programs (1) SOS/Emergency Button (1)		
Ride Booking	Ride Booking	1	3	3	1.00	Scheduled Rides (1) Cancel/Modify Booking (1) Ride Sharing (1)		
Safety	Safety	1	3	3	1.00	Driver Ratings & Reviews (1) SOS/Emergency Button (1) Real-time Location Tracking (1)		
Support	Support	1	3	3	1.00	Multi-language Support (1) Feedback Mechanism (1) Bookmarks/Favorites (1)		
Trip Details	Trip Details	1	8	8	1.00	Live Traffic Updates (1) Trip Summary & Receipt (1) Trip History (1) Map Display (1) Bus Stop Information (1) Bus Information (1) Route Planning (1) Real-time Location Tracking (1)		

Group Name	Merged Group Name	# Participants Used	# Cards		# Unique Cards	Agreement	Cards	Group Comments
Trip Planning	Trip Planning	1	16	16	1.00	Scheduled Rides (1) Live Traffic Updates (1) Split Fare (1) Trip Summary & Receipt (1) Driver Ratings & Reviews (1) Cancel/Modify Booking (1) Trip History (1) Estimated Fare Calculation (1) Ride Sharing (1) Driver Information (1) Ride Booking (1) Map Display (1) Bus Stop Information (1) Bus Information (1) Route Planning (1) Real-time Location Tracking (1)		
User Interactivity	User Interactivity	1	1	1	1.00	Loyalty/Reward Programs (1)		
ws	ws	1	1	1	1.00	Bookmarks/Favorites (1)	User1 : ws	
ww	ww	1	1	1	1.00	Admin Panel (1)		

## Similarity Matrix

### Similarity Matrix [Help](#)

Real-time Location Tracking

29 Route Planning

14 29 User Authentication

0 57 43 Bookmarks/Favorites

29 43 0 14 Bus Information

57 43 14 14 43 Bus Stop Information

57 43 0 14 57 71 Map Display

14 29 86 43 0 14 0 Admin Panel

14 0 43 29 29 14 0 43 Feedback Mechanism

29 14 29 29 14 57 43 29 29 Push Notifications

14 0 29 14 14 0 14 29 29 14 Payment Integration

29 14 14 0 29 14 29 14 14 0 29 Ride Booking

29 14 14 0 57 14 29 14 43 0 29 43 Driver Information

29 14 14 0 14 14 14 14 14 0 14 57 29 Ride Sharing

14 29 0 14 29 29 29 0 0 14 0 57 14 57 Estimated Fare Calculation

43 29 29 0 29 43 29 29 29 14 14 57 29 57 43 Trip History

14 43 29 43 14 14 14 29 0 14 0 0 0 0 14 0 SOS/Emergency Button

29 14 14 0 0 29 14 29 14 14 0 29 71 43 71 43 57 0 Cancel/Modify Booking

43 14 14 0 0 43 14 14 14 43 0 14 29 71 29 14 29 14 29 Driver Ratings & Reviews

14 29 57 57 14 0 14 57 43 14 43 29 29 14 0 14 29 29 14 Multi-language Support

43 29 29 0 29 43 29 29 14 43 29 29 29 14 57 0 29 29 14 Trip Summary & Receipt

14 29 43 29 0 0 0 43 14 14 14 14 14 0 14 43 14 14 43 Loyalty/Reward Programs

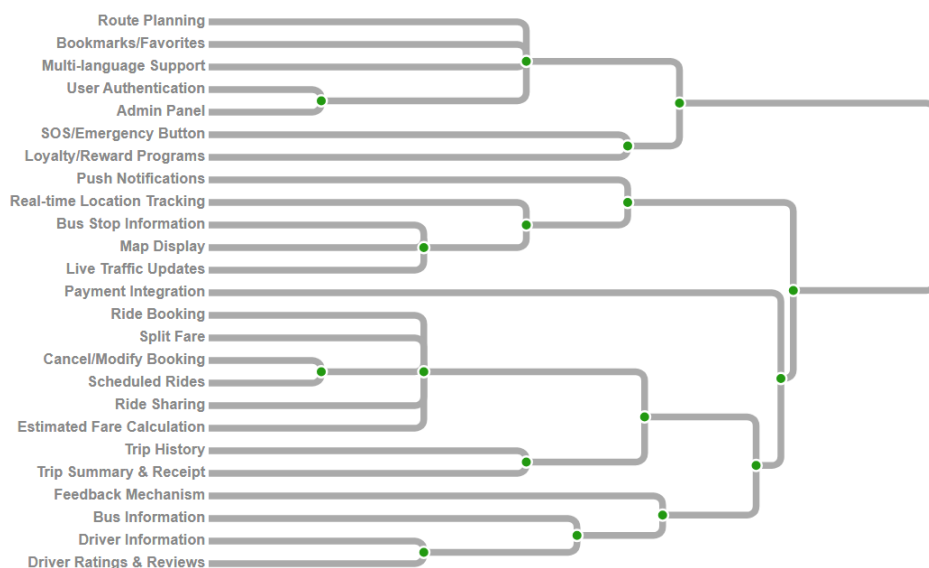
29 14 14 0 14 14 14 14 14 0 14 71 29 71 71 57 0 57 29 14 29 14 Split Fare

57 57 0 29 43 71 71 0 0 43 0 14 14 14 29 29 14 14 14 0 29 0 14 Live Traffic Updates

29 14 14 0 29 14 29 14 14 0 29 71 43 71 43 57 0 86 29 29 29 14 57 14 Scheduled Rides

## Dendrogram

### Dendrogram [Help](#)



## Card Sort (Closed)

<https://www.provenbyusers.com/cs.php?c=o8e628905>

Above is the link for closed card sort



Participants data

Identifier	Status	Last Saved	Time	Results
User1	Completed	10/07/2024 07:48pm	00:03:05	<a href="#">Results</a>
User2	Completed	10/07/2024 07:54pm	00:02:40	<a href="#">Results</a>
User3	Completed	10/07/2024 08:05pm	00:06:36	<a href="#">Results</a>
User4	Completed	10/07/2024 08:19pm	00:01:39	<a href="#">Results</a>
User5	Completed	10/07/2024 08:46pm	00:02:13	<a href="#">Results</a>
User6	Completed	10/07/2024 09:05pm	00:03:27	<a href="#">Results</a>
User7	Completed	10/07/2024 09:15pm	00:01:05	<a href="#">Results</a>

Groups

Group Name	# Participants Used			# Cards	# Unique Cards	Agreement	Cards
Admin Management	7	13	6	0.31	Admin Panel (6) User Authentication (3) Scheduled Rides (1) Estimated Fare Calculation (1) Driver Information (1) Bookmarks/Favorites (1)		
Journey & Route Planning	7	23	13	0.25	Route Planning (5) Ride Sharing (3) Scheduled Rides (2) Trip History (2) Ride Booking (2) Bus Stop Information (2) Live Traffic Updates (1) Split Fare (1) Driver Ratings & Reviews (1) Cancel/Modify Booking (1) SOS/Emergency Button (1) Map Display (1) Real-time Location Tracking (1)		

Group Name	# Participants Used			# Cards	# Unique Cards	Agreement	Cards
Payment & Booking	7	28	10	0.40	Payment Integration (6) Split Fare (4) Estimated Fare Calculation (4) Trip Summary & Receipt (3) Cancel/Modify Booking (3) Ride Booking (3) Loyalty/Reward Programs (2) Scheduled Rides (1) Ride Sharing (1) Feedback Mechanism (1)		
Real-time Tracking & Map Features	7	24	12	0.29	Live Traffic Updates (5) Map Display (5) Real-time Location Tracking (5) Scheduled Rides (1) SOS/Emergency Button (1) Trip History (1) Estimated Fare Calculation (1) Driver Information (1) Push Notifications (1) Bus Stop Information (1) Bus Information (1) Route Planning (1)		
Ride & Bus Information	7	29	13	0.32	Bus Information (6) Bus Stop Information (4) Driver Ratings & Reviews (3) Driver Information (3) Trip Summary & Receipt (2) Trip History (2) Ride Sharing (2) Ride Booking (2) Scheduled Rides (1) Multi-language Support (1) Admin Panel (1) Map Display (1) Real-time Location		

Group Name	# Participants Used			# Cards	# Unique Cards	Agreement	Cards
					Tracking (1)		
User Account Management	7	30	16	0.27	Push Notifications (4) Bookmarks/Favorites (4) User Authentication (4) Multi-language Support (3) Split Fare (2) Loyalty/Reward Programs (2) Cancel/Modify Booking (2) Scheduled Rides (1) Live Traffic Updates (1) Trip Summary & Receipt (1) SOS/Emergency Button (1) Trip History (1) Estimated Fare Calculation (1) Ride Sharing (1) Driver Information (1) Route Planning (1)		
User Feedback & Support	7	28	12	0.33	Feedback Mechanism (6) SOS/Emergency Button (4) Loyalty/Reward Programs (3) Multi-language Support (3) Driver Ratings & Reviews (3) Push Notifications (2) Bookmarks/Favorites (2) Trip Summary & Receipt (1) Cancel/Modify Booking (1) Trip History (1) Driver Information (1) Payment Integration (1)		

## Similarity Matrix

Similarity Matrix [Help](#)

## Real-time Location Tracking

## 0 Route Planning

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0 0 User Authentication
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0 0 71 Bookmarks/Favorites

14	0	0	0	Bus Information
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0	14	0	0	71	Bus Stop Information
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57	29	0	0	0	0	Map Display
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0	0	29	0	0	0	14	Admin Panel
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0	0	0	29	0	0	0	0	Feedback Mechanism
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0	0	57	86	14	14	0	0	29	Push Notifications
---	---	----	----	----	----	---	---	----	--------------------

0 0 0 0 0 0 0 0 0 0 Payment Integration

0	29	0	0	14	29	29	14	0	0	43	Ride Booking
---	----	---	---	----	----	----	----	---	---	----	--------------

14	0	0	0	57	43	0	14	14	14	0	14	Driver Information
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29	29	0	0	29	29	0	0	0	0	14	29	14	Ride Sharing
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14	0	14	14	0	0	14	0	0	0	57	29	14	0	Estimated Fare Calculation
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29	29	14	14	29	29	0	0	0	14	14	14	14	29	0	Trip History
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29	0	14	29	0	0	0	0	57	29	0	0	14	14	0	29	SOS/Emergency Button
----	---	----	----	---	---	---	---	----	----	---	---	----	----	---	----	----------------------

0	14	29	29	0	0	14	0	0	29	57	57	0	14	29	29	14	Cancel/Modify Booking
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29 0 0 14 43 29 0 0 43 14 0 14 57 29 0 14 57 0 Driver Ratings & Reviews

0	0	43	71	0	0	14	14	43	71	0	14	0	0	0	14	43	29	14	Multi-language Support
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0	0	0	0	29	29	0	0	29	0	29	29	14	14	29	14	14	14	29	0	Trip Summary & Receipt
---	---	---	---	----	----	---	---	----	---	----	----	----	----	----	----	----	----	----	---	------------------------

0	0	29	57	0	0	0	0	57	57	14	14	0	0	14	14	43	43	29	57	43	Loyalty/Reward Programs
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0	29	0	0	0	0	0	0	0	0	0	57	43	0	43	43	0	0	43	0	0	43	14	Split Fare
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57	43	0	0	0	0	86	0	0	0	0	14	0	0	14	0	0	14	0	0	0	0	14	Live Traffic Updates
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0	57	14	0	14	0	14	14	0	0	14	14	0	29	0	14	0	14	0	0	0	0	43	29	Scheduled Rides
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## Dendrogram

