

Gestiunea locurilor de parcare pentru un hypermarket

Mall Garage Management System
(MGMS)

Coordonator:

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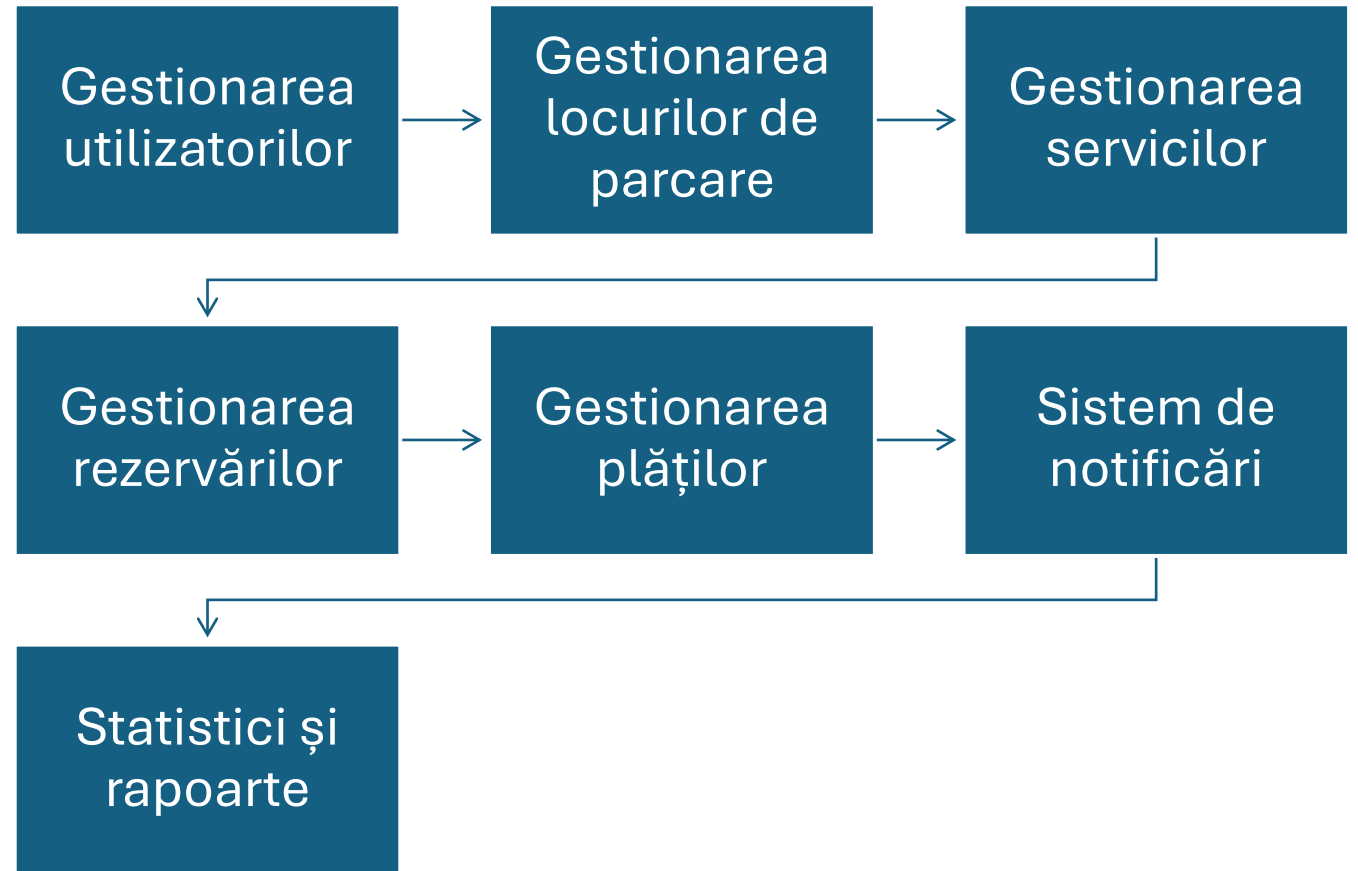




Introducere

MGMS este un sistem care ajută la gestionarea eficientă a locurilor de parcare, rezervărilor și plăților în garajele mall-urilor. Folosește tehnologii moderne pentru a oferi o experiență îmbunătățită utilizatorilor.

Obiectivele Proiectului



MGMS

All Users

Search...

Filter by Role

Sort by

No.	User ID	Username	Email	Phone	Role	Actions
1	4	admin	admin	admin	ADMIN	<div>Demote to User</div> <div>Delete</div>
2	1	user	user@email.com	072511111	USER	<div>Promote to Admin</div> <div>Delete</div>

Add New User

Gestionarea utilizatorilor

MGMS

Parking Spots

Search...

All Status

All Section

All Sizes

Sort by...

No.	Spot ID	PS Number	Section	Status	Size	Actions	
1	1	0	Disabled Parking	Available	Large	Update	Delete
2	2	1	Disabled Parking	Available	Large	Update	Delete
3	3	2	Disabled Parking	Available	Large	Update	Delete
4	4	3	Large Vehicles	Available	Large	Update	Delete
5	5	4	Large Vehicles	Available	Large	Update	Delete

1

2

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Add New Parking Spot

Map View

Gestionarea
utilizatorilor



Gestionarea
locurilor de
parcare

MGMS

Services

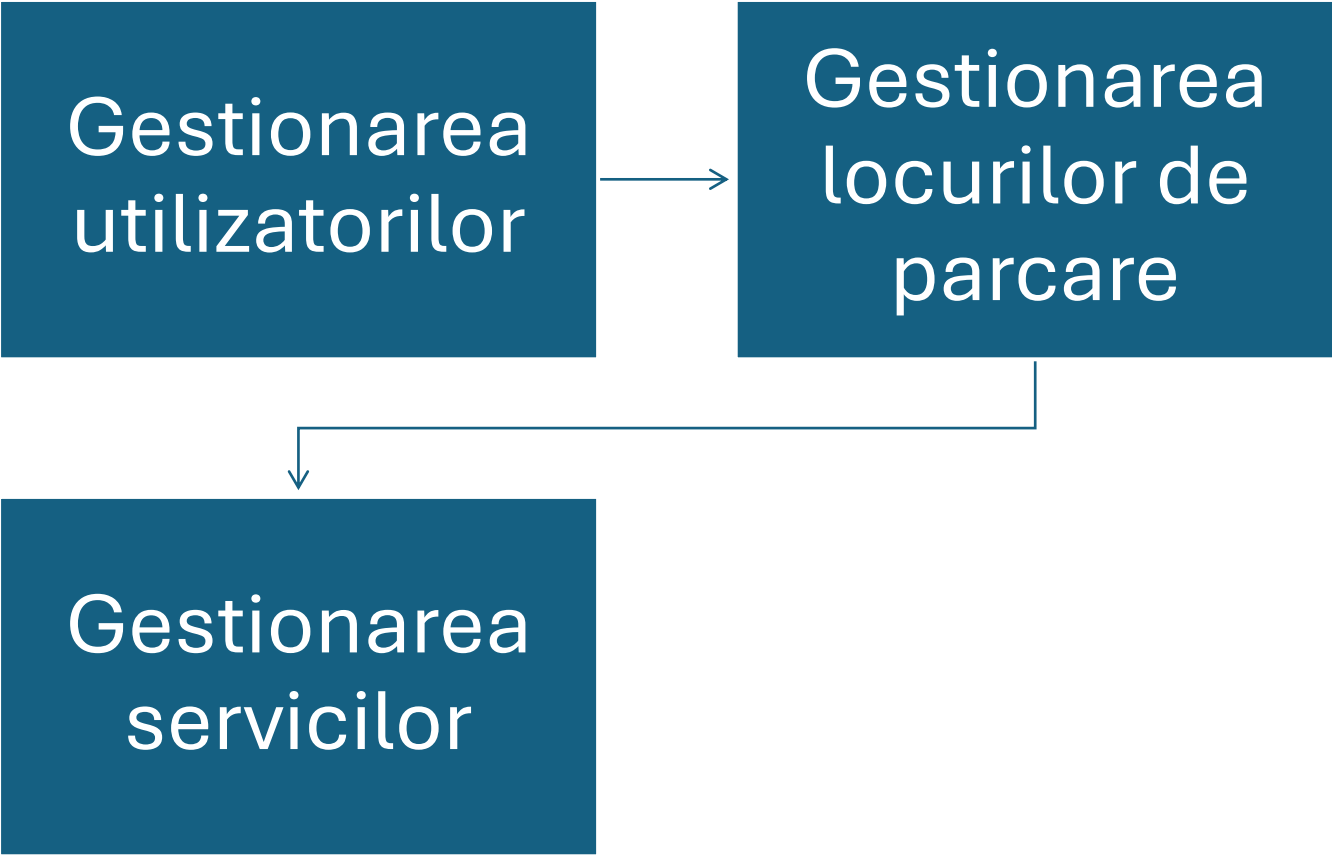
Search...

Sort by...

No.	Service ID	Name	Price	Description	Actions
1	1	Car Wash	\$30	Show Description	<div>UpdateDelete</div>
2	2	Oil Change	\$50	Show Description	<div>UpdateDelete</div>
3	3	Tire Rotation	\$25	Show Description	<div>UpdateDelete</div>
4	4	Brake Inspection	\$40	Show Description	<div>UpdateDelete</div>
5	5	Battery Replacement	\$120	Show Description	<div>UpdateDelete</div>

12>>

Add New Service



MGMS

Reservations

Add Reservation

Parking Spot Number:

0

Start Time:

dd-----yyyy --:--

End Time:

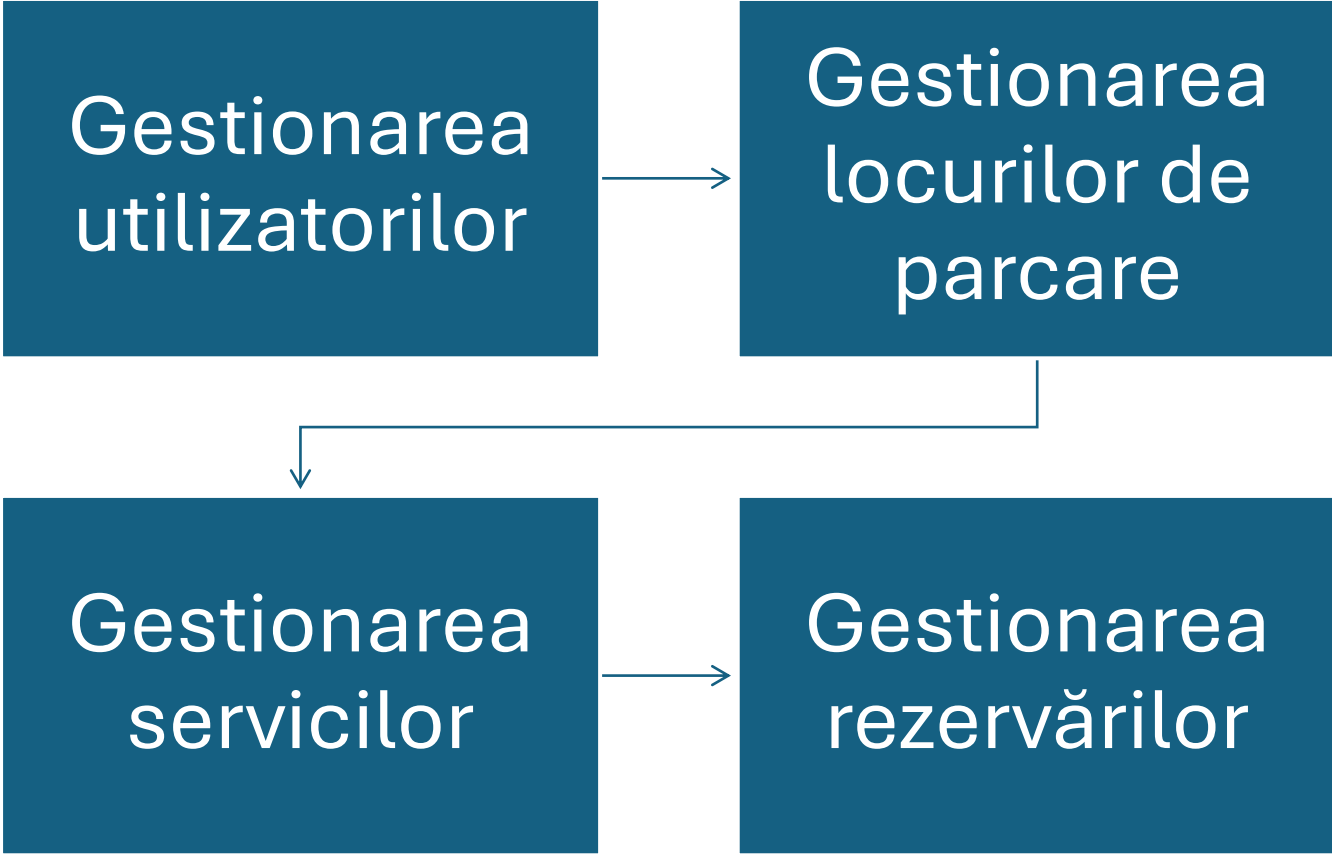
dd-----yyyy --:--

Select desired services:

Select... | v

Add Reservation

Close



MGMS

Payments

Add Payment

Reservation ID:

0

Amount:

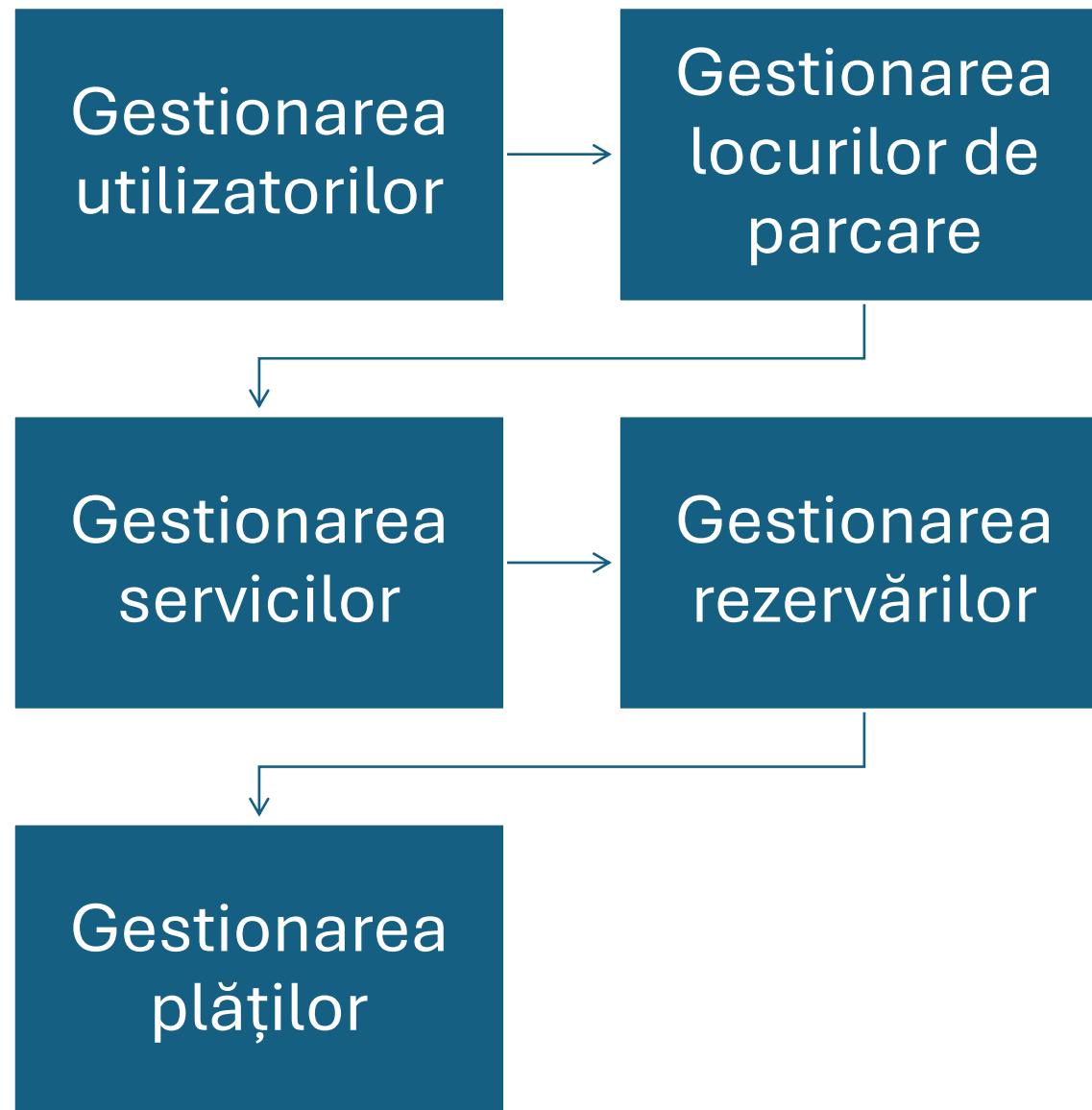
0

Payment Method:

Select a payment method

Add Payment

Close



MGMS

Notifications

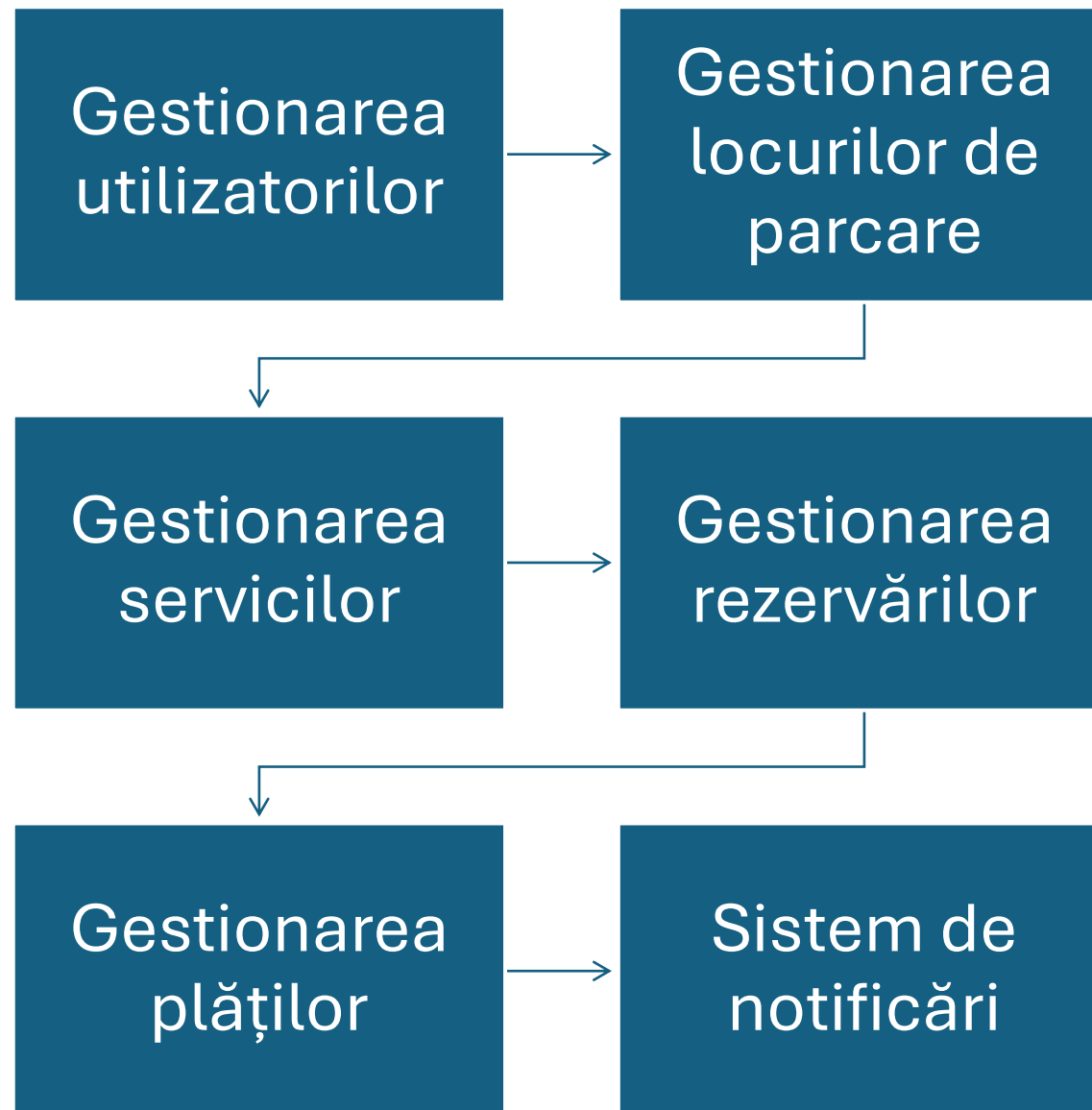
Search...

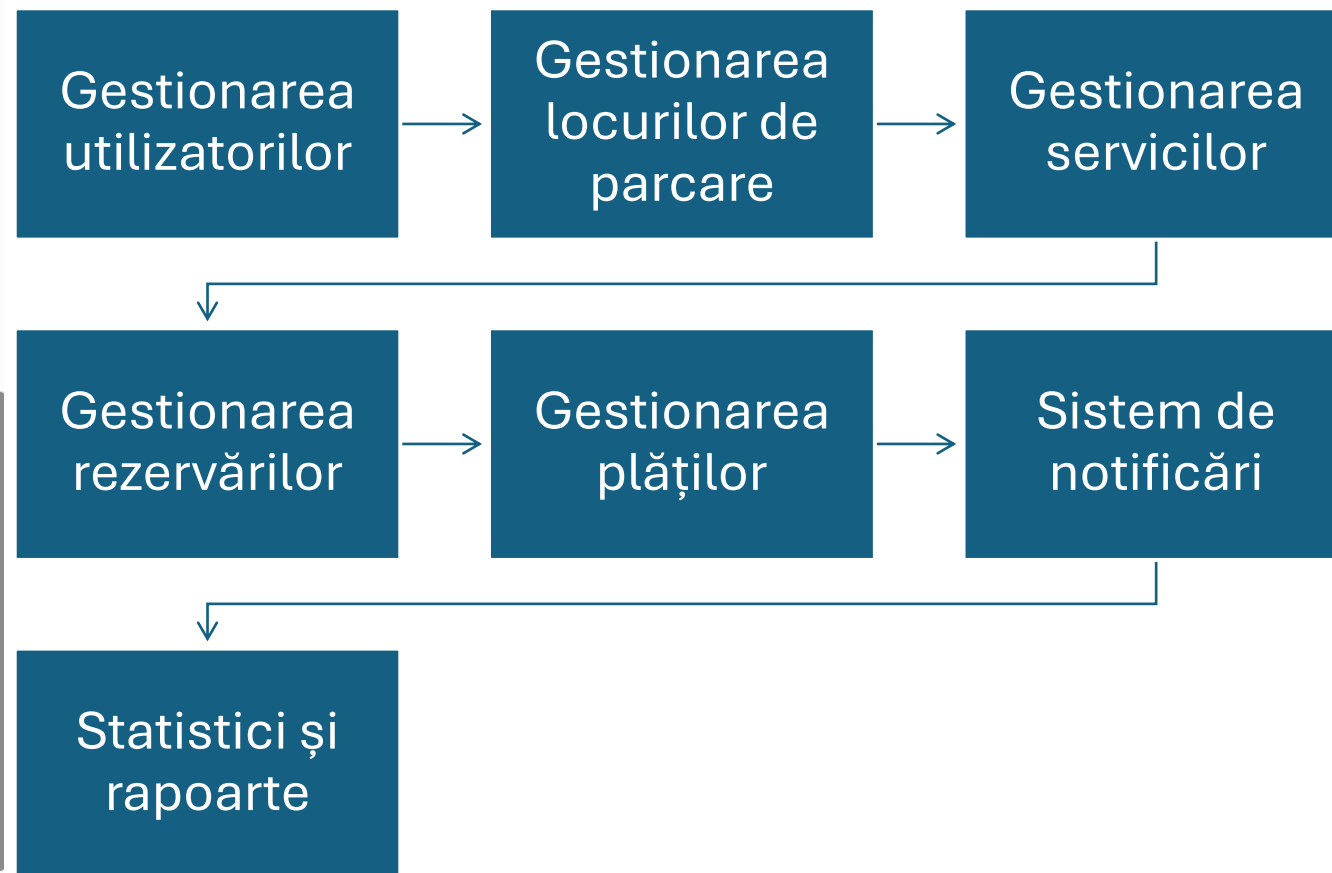
dd- - - - - yyyy

Filter by read status..

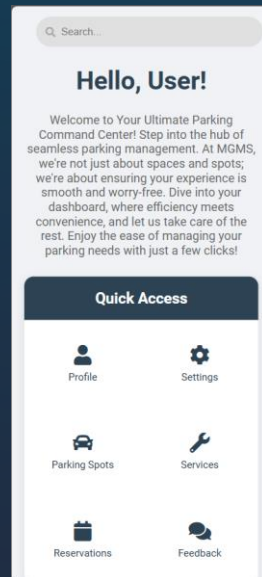
Sort by...

No.	Date	Read Status	Message	Actions
1	6/20/2024, 8:47:38 PM		Show Message	Mark as read
2	6/20/2024, 9:39:57 PM		Show Message	Mark as unread

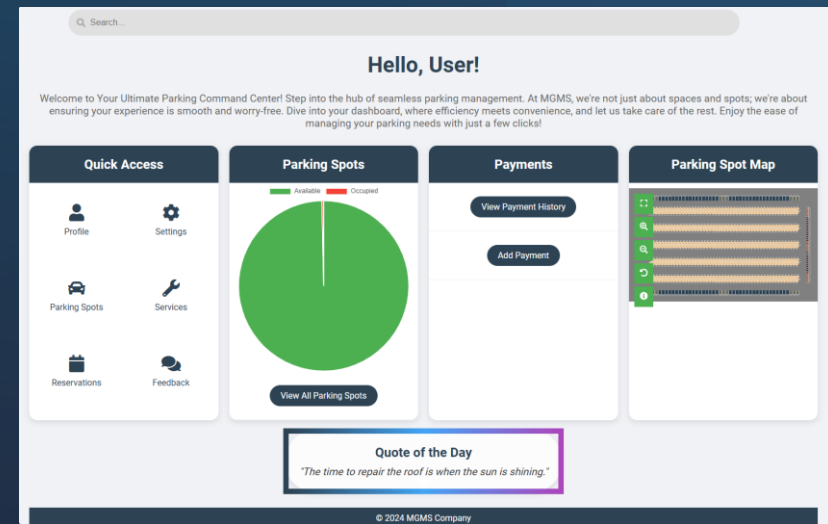




Disponibilitate pe Diverse Dispozitive



Aplicatia initială este optimizată pentru smartphone-uri.

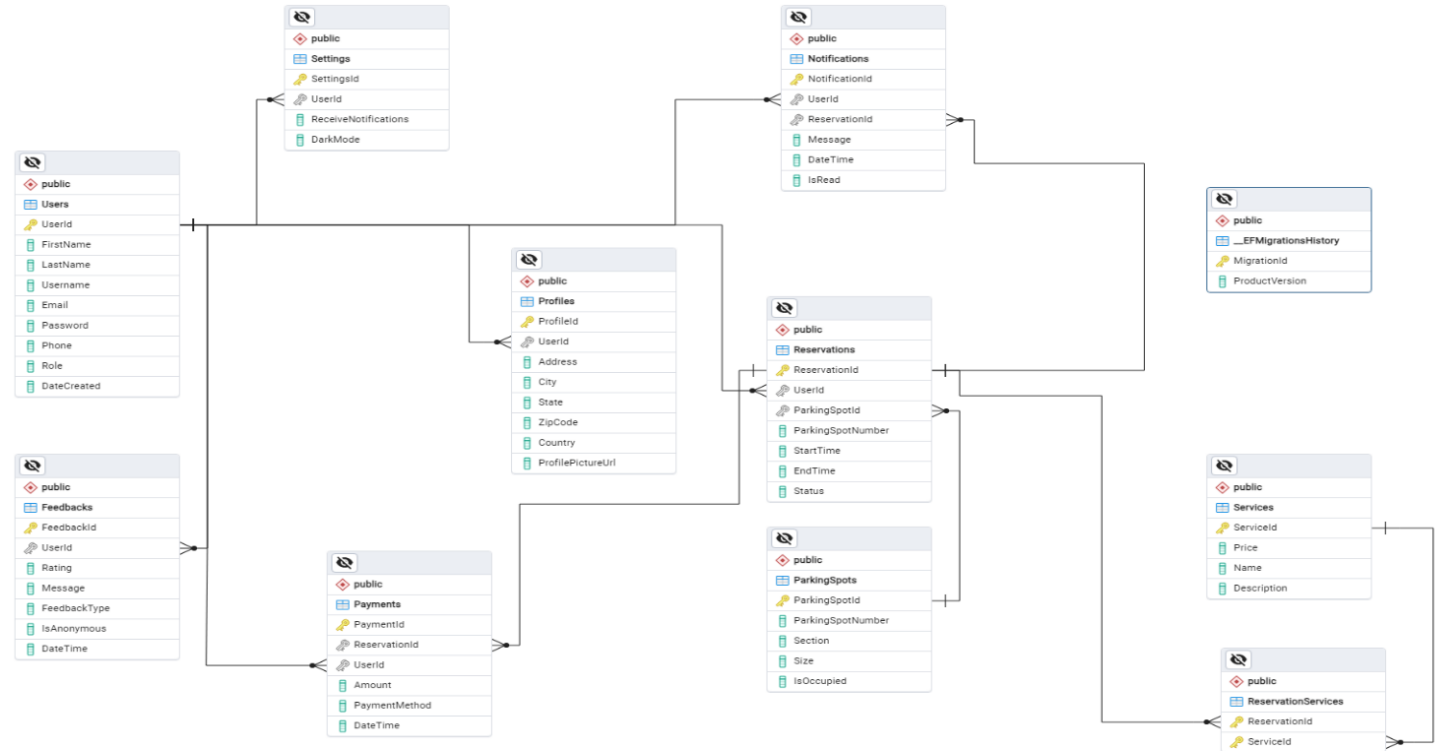


Funcționează și pe laptopuri, PC-uri și tablete

Tehnologii Utilizate

- Frontend: React.js
- Backend: .NET Core 8
- Database: PostgreSQL
- Authentication: JWT (JSON Web Tokens)

Proiectarea Bazei de Date



MGMS

Parking Spots

Search...

All Status

All Section

All Sizes

Sort by...

No.	Spot ID	PS Number	Section	Status	Size	Actions
1	1	0	Disabled Parking	Available	Large	<div>Update</div> <div>Delete</div>
2	2	1	Disabled Parking	Available	Large	<div>Update</div> <div>Delete</div>
3	4	3	Large Vehicles	Available	Large	<div>Update</div> <div>Delete</div>
4	5	4	Large Vehicles	Available	Large	<div>Update</div> <div>Delete</div>
5	6	5	Large Vehicles	Available	Large	<div>Update</div> <div>Delete</div>

1

2

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Add New Parking Spot

Map View

Servici (Services)

MGMS					
Services					
<input type="text" value="Search..."/>			<input type="text" value="Sort by..."/>		
No.	Service ID	Name	Price	Description	Actions
1	1	Car Wash	\$30	<button>Show Description</button>	<button>Update</button> <button>Delete</button>
2	2	Oil Change	\$50	<button>Show Description</button>	<button>Update</button> <button>Delete</button>
3	3	Tire Rotation	\$25	<button>Show Description</button>	<button>Update</button> <button>Delete</button>
4	4	Brake Inspection	\$40	<button>Show Description</button>	<button>Update</button> <button>Delete</button>
5	5	Battery Replacement	\$120	<button>Show Description</button>	<button>Update</button> <button>Delete</button>
<div><div>1</div><div>2</div><div>></div><div>>></div></div> <div><button>Add New Service</button></div>					

Reservare (Reservations)

MGMS							
Reservations							
<input type="text" value="Search..."/>				All Statuses ▾		Sort by... ▾	
No.	Reservation ID	Parking spot number	Status	Duration	Time Details	Total Amount	Actions
1	2	88	Approved	02:58:00	Display Time Details	\$35.00	<div>Update</div> <div>Delete</div>
2	5	2	Pending	00:58:00	Display Time Details	\$30.00	<div>Update</div> <div>Delete</div>
3	6	88	Pending	23:02:00	Display Time Details	\$110.00	<div>Update</div> <div>Delete</div>
				<div>Add Reservation</div>		<div>Go to Payment</div>	

Plăți (Payments)

MGMS

Payments

Search...

All Methods

dd-----yyyy

Payment ID

No.	Payment ID	Reservation ID	Total Amount	Payment Method	Date	Payment Status	Actions
1	1	2	\$35	debit card	7/4/2024, 9:47:17 PM	Unpaid	<div>Update</div> <div>Delete</div>

Add New Payment

Notificare (Notifications)

MGMS

Notifications

Search...

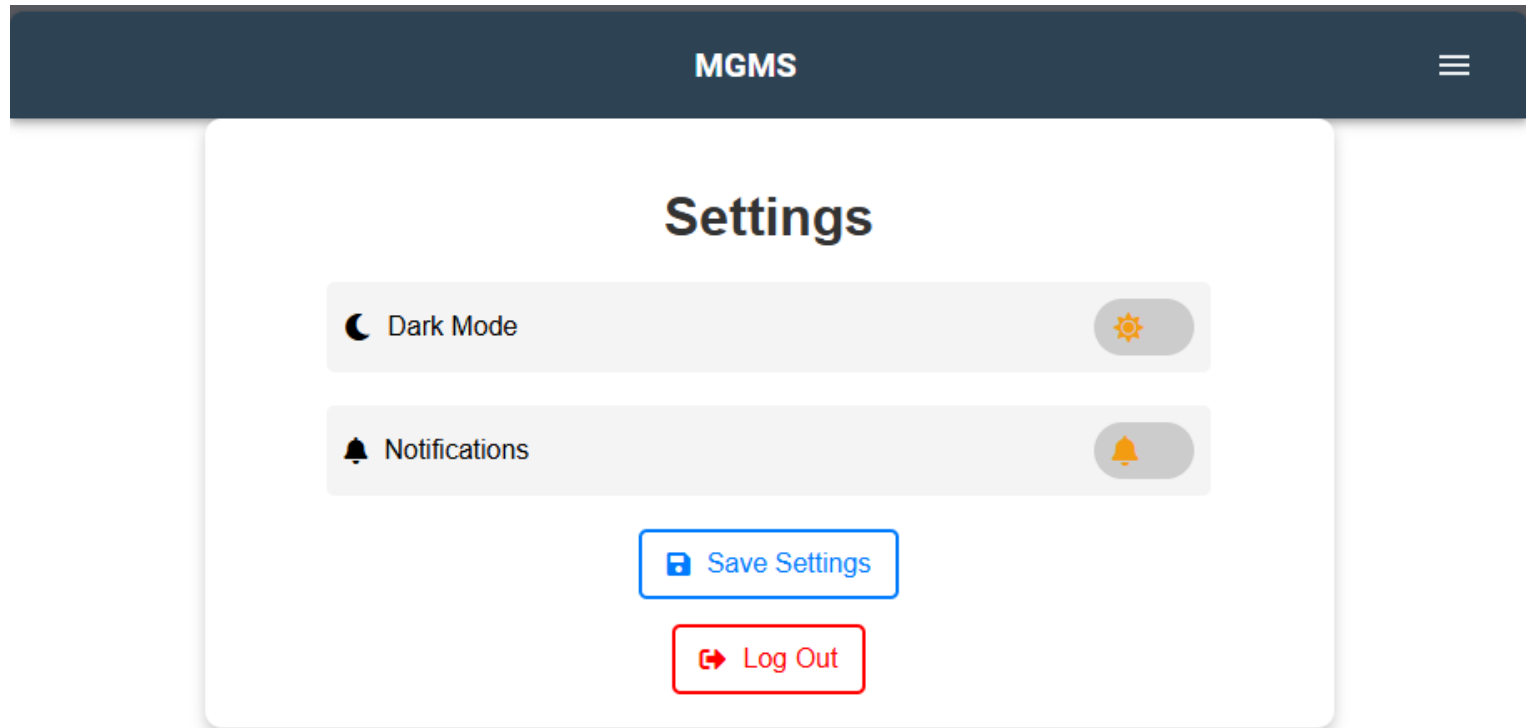
dd-----yyyy

Filter by read status..

Sort by...

No.	Date	Read Status	Message	Actions
1	6/20/2024, 8:47:38 PM		Show Message	Mark as readDelete
2	6/20/2024, 9:39:57 PM		Show Message	Mark as unreadDelete

Setări (Settings)



Feedbacks

MGMS

Feedbacks

Search...

Filter by Type

Filter by Rating

dd-----yyyy

Sort by

No.	User ID	Rating	Type	Date Time	Message	Actions
1	4	4	General	6/9/2024, 12:19:44 PM	<div>Show Message</div>	<div>Delete</div>
2	4	2	Bug Report	6/9/2024, 12:20:32 PM	<div>Show Message</div>	<div>Delete</div>
3	4	1	Bug Report	7/4/2024, 8:15:31 PM	<div>Show Message</div>	<div>Delete</div>

Add New Feedback

Funcționalități Cheie

Înregistrare și
autentificare
utilizatori

Căutare unui
loc de parcare
potrivit

Rezervare locuri
de parcare și
servicii

Procesare plăți

Funcționalități Admin vs. User

User

- Creare și gestionare rezervări
- Procesare plăți
- Configurare setări personale
- Feedback

Admin

- Gestionare locuri de parcare
- Gestionare utilizatori
- Gestionare servicii
- Vizualizare și ștergere feedback-uri

Testarea Aplicației

Teste unitare

Teste de
integrare

Teste
funcționale

Teste de
securitate

Teste de
utilizabilitate

Rezultatele Testelor

Aplicație funcțională și scalabilă

Îmbunătățirea experienței utilizatorilor

Administrare eficientă a parcarilor

Posibilități de dezvoltare ulterioară

Concluzii și Dezvoltări Ulterioare



Obiectivele au fost atinse



Sistemul este eficient și ușor de utilizat



Posibile îmbunătățiri: optimizarea performanței, suport multilingv, funcționalități avansate de analiză a datelor

The background is a dark blue, textured fabric, possibly silk or satin, with a prominent ruffled collar that frames the central text. The lighting creates subtle highlights and shadows on the fabric's surface, emphasizing its texture and the folds of the collar.

Vă mulțumesc!