Epic: Drivers

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Epic	Drivers
Document status	DRAFT
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🎯 Objective 🔗

Drivers register with Big Apple's Taxi (BAT) to lease the vehicle. A driver is identified with the following key information:

TLC License Number: This is a 8-digit license number provided by TLC for authorizing drivers to ride the taxis in New York City Example: 00496830. This was also called as the Hack License earlier. Drivers are responsible for keeping their TLC license renewed up to date. BAT tracks the license expiry and notifies the driver about the same. The TLC license number could change over a period of time.

DMV License Number: This is a 9-digit license number provided by DMV for authorizing to drive Example: 232649390. There are different classes of licenses, and the class will be mentioned on the license. Drivers are responsible for keeping their DMV license renewed up to date. BAT tracks the license expiry and notifies the driver about the same. The DMV license number could change when the person moves from one state to another.

Social Security Number: The SSN is a 9-digit number issued to the US citizens, permanent residents and temporary residents in the US Example: xxx-xx-5315. The SSN is a personally identifiable information (PID) and has to be handled sensitively. The SSN will never be displayed fully ever though it is captured fully. It is always displayed with masked characters revealing only the last four digits.

·This epic is to register the drivers and create the lease for them to work with BATM. There are two types of drivers who register with BAT.

Main Driver: The drivers who register to lease a vehicle from BATM and drive the same. These drivers sign a lease with BATM for the vehicle they want to lease.

Extra Driver (or) Additional Driver: The drivers who want to join a main driver and drive the main driver's leased vehicle. These drivers do not sign any lease with BATM, however, their licenses get verified by BATM and the driver is included in the Worker's Compensation insurance.

There are two types of Vehicles that are used in BAT. They are the (a) *Regular Vehicle* and (b) *Wheelchair Assisted Vehicle (WAV)*. Each driver's TLC license indicates whether the driver can drive a Regular Vehicle or a WAV Vehicle.

📏 Business Rules 🔗

1. A driver is always uniquely identified by the SSN.
2. The driver has a driver id used to register with CURB.
3. A returning driver is always identified by the SSN. The TLC License Number and the DMV license number may or may not match from the earlier data of the driver.
4. Only Main drivers sign in the lease with BAT. Extra drivers do not sign a lease with BAT.
5. Extra drivers are always associated through a Main driver.

📊 Success metrics 🔗

Goal	Metric
A driver can be registered with all required validations as a Main Driver or an Extra Driver at the time of Registration.	Reduction in registration time Increased accuracy Enhanced customer satisfaction
A returning driver can be identified and prompted for outstanding payments and receivables.	Selection of good drivers Addressing collection leakages
The driver's documents are verified by the user manually and approved for registration.	Accuracy in verification Ease of uploading correct documents
Once the driver has signed the lease, the driver's trips can be calculated, and payments can be made.	Improved Transparency Faster and accurate payments
Drivers can make payments at the cashier's desk.	Increased flexibility in payments Faster payments
The payments made by the driver reflect in the driver receipts.	Improved accuracy Increased flexibility in payments
The driver payments are calculated based on the receipts, earnings, due amounts, adjustments and balances.	Improved Transparency Faster and accurate payments
The driver receipts are generated accurately and can be viewed or printed by the system.	Enhanced Customer Experience

🤔 Assumptions 🔗

1. The driver's SSN will never change.
2. The driver's TLC License or the driver's DMV License could change.
3. The drivers make their payments at the cashier's desk, which is recorded in the system.
4. CURB provides accurate data about the driver's earnings.
5. Additional / Extra drivers also have a Driver id to log into CURB Meter and that id is the same as in the system with BATM. Hence, Additional / Extra drivers can be mapped to the Main driver who signed the lease with BATM.

📝 Requirements 🔗

Requirement	User Story	Importance	Jira Issue	Notes
Search for a driver with the TLC License Number, DMV License Number and the SSN. If the driver is found, handle the driver as a returning driver. If not,	Search Drivers	**HIGH**	🗒 BAT-401: New Driver: Search Drivers **RESOLVED**	Ticket updated

accept the driver details to register the driver.				
When the driver is not found, accept the information for the driver to register the driver.	Create Driver	**HIGH**	📗 BAT-399: New Driver: Create Driver **RESOLVED**	Ticket updated
When the driver information matches (either all the three inputs) or (the SSN and may or may not be the other field), the driver is considered as a returning driver.	Handle Returning Driver	**HIGH**	📗 BAT-398: New Driver: Handle Returning Driver **RESOLVED**	Ticket updated
When a returning driver comes in for registration, the outstanding receivables and payments are displayed and accordingly handled and updated in the system under Driver Payment Receipts.	View Outstanding Balances	**HIGH**	📗 BAT-494: New Driver: View Outstanding Balance **RESOLVED**	Ticket updated.
The credentials submitted by the driver are verified by viewing the documents and registering the driver.	Verify Driver Documents	**HIGH**	📗 BAT-775: New Driver: Verify Driver Documents **RESOLVED**	
On successful verification of the documents, the driver is registered in the system and provided a driver Id.	Approve Driver	**HIGH**	📗 BAT-776: New Driver: Approve Driver **RESOLVED**	
An additional driver will be registered under a Main driver who signs in the lease with BAT.	Approve Additional Driver	**HIGH**	📗 BAT-395: Manage Lease: Add Additional Driver **RESOLVED**	This ticket would be moved to Leases as Additional Drivers are added to in the Lease Epic.
		HIGH	🔗 https://conceptvines-global.atlassian.net/browse/BAT-832 Can't find link	

		HIGH	↗ https://conceptvines-global.atlassian.net/browse/BAT-833 Can't find link	
List all the active drivers in the system. Drivers who have worked with us long back are not listed by default.	List all active drivers	HIGH	🗎 BAT-785: Manage Driver: List all the active drivers RESOLVED	
When a driver renews the TLC License, the information is updated in the system.	Update TLC License	HIGH	🗎 BAT-792: Manage Driver: Update TLC License RESOLVED	
When a driver renews the DMV License, the information is updated in the system.	Update DMV License	HIGH	🗎 BAT-793: Manage Driver: DMV License Update RESOLVED	
The driver's Payee information is updated in the system. The driver payments are made as per the Payee information in the system.	Update Driver Payee	MEDIUM	🗎 BAT-791: Manage Driver: Update Payee RESOLVED	
The driver's address is updated in the system. Any correspondence through Mail is with the Primary address of the driver.	Update Driver Address	MEDIUM	🗎 BAT-790: Manage Driver: Update Address RESOLVED	
When drivers pay at the cashier's desk, the payments are recorded.	Collect Daily Receipts	HIGH	🗎 BAT-493: Driver: Collect Daily Receipts TO DO	
The recorded payments are adjusted for the payments against the payments due and the balances are calculated.	Calculate Driver Payments	HIGH	🗎 BAT-492: Driver: Calculate Driver Payments TO DO	
The payments recorded, adjusted and the balance are all provided in the Driver's Payment Receipts.	Create Driver Receipts	HIGH	🗎 BAT-835: Manage Driver: Driver Receipts Creation TO DO	
The payments made at the cashier's desk are listed	Manage Driver Payments	HIGH	🗎 BAT-834: Manage Driver: Manage Driver Payments TO DO	

and each payment can be viewed or printed.				

🎨 User interaction and design 🔗

❓ Open Questions 🔗

Question	Answer	Date Answered
Is it correct that the Extra driver gets included in the Worker's Compensation insurance?	@Sylwia Barrezueta to answer	
Is it correct that the Extra driver knows the Main driver at the time of registration? Or does the driver update the Main driver later?	@Sylwia Barrezueta to answer	
Is it correct that there will be an agreement between the Main driver and the Extra driver. BAT does not have any agreement with the Extra driver and does not track any agreement or correspondence or financials between the Main driver and the Extra driver.	@Sylwia Barrezueta to answer	
If an erstwhile extra driver returns back to be a Main driver now, can the system proceed with a prompt?	@Sylwia Barrezueta to answer	

⚠️ Out of Scope 🔗

1. The outstanding receivables and payments are collected/paid separately and then recorded in the system for returning drivers. The case of a driver registration would not automatically carry forward the balances to the returning driver currently.

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