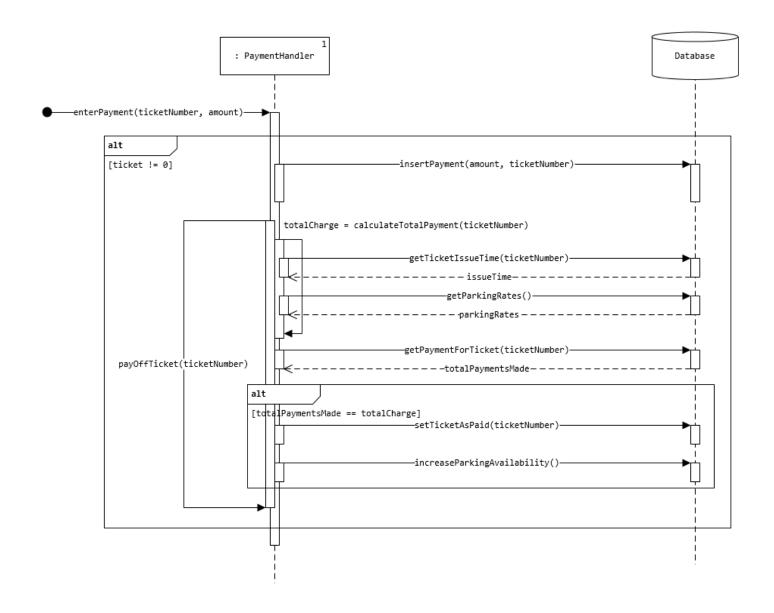
Basic Instructions on how to run the project:

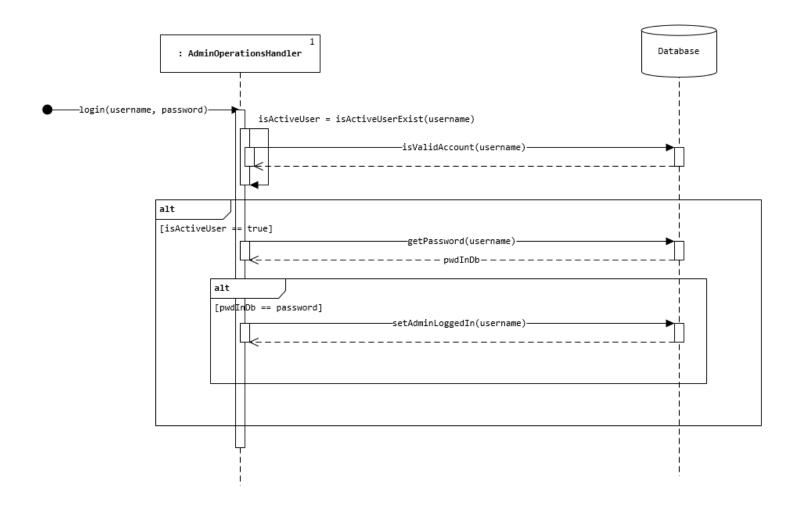
- The main class to run is in the MainController class under controller package in src.
- If database has already been populated with tables, run the CleanupDBScript in the database package. Currently this script runs before initialization of the system, which can be commented out.
- To populate the database with some historic data, the PopulateDBScript in the database package is executed at the time of initialization. To enter more data on initialization, please look at the queries already added to this script and reuse them.
- The sql connector jar for jdbc is also added to the jar with the source code in case our versions are different and if that matters.

UML Sequence Diagrams

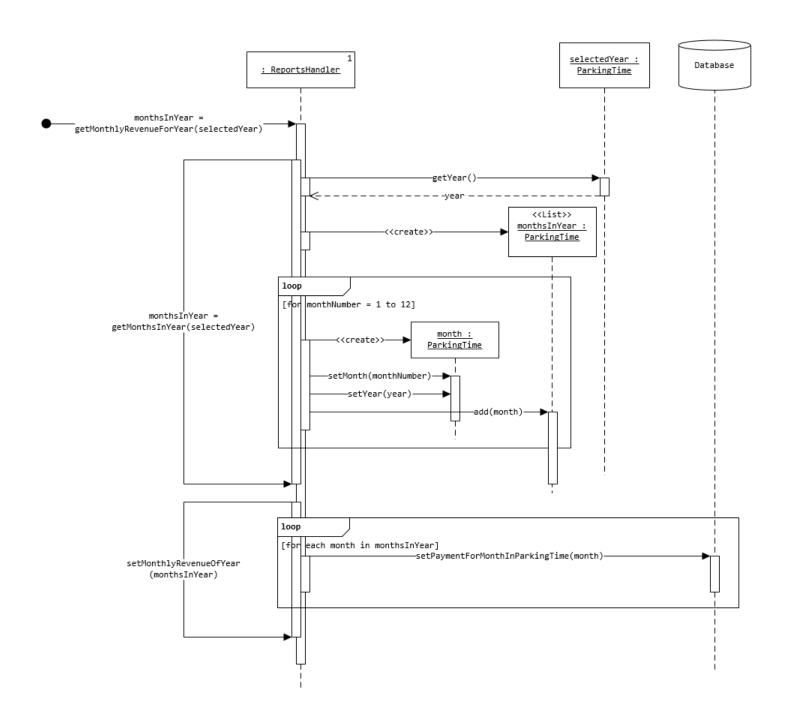
1) enterPayment



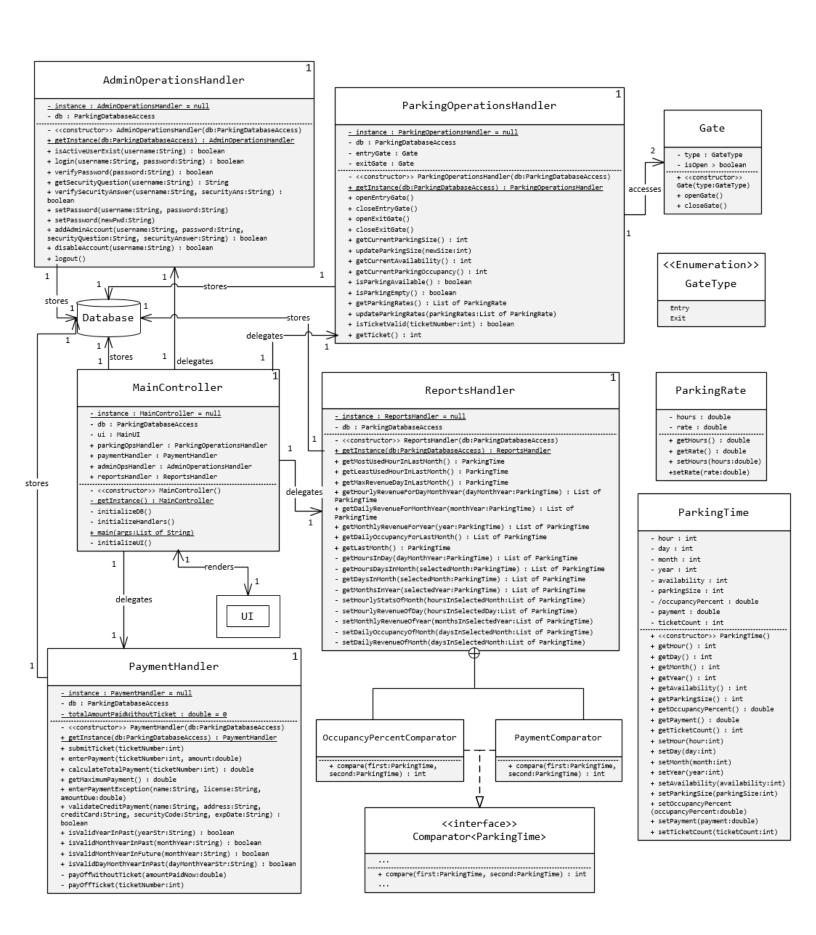
2) login



3) getMonthlyRevenueForYear



Design Class Diagram



Parking System Test Plan

Test Cases

Test Case No.	1
Test Description	Enter Parking when parking space is available
Module being Tested	Enter Parking
Importance	Parking can be entered only when parking space is available.
Test Steps	View Parking Availability. Parking space is available.
	Click on Enter Parking.
Expected Results	Enter Parking screen should be displayed.
	Current Parking Rates should be displayed.
	Get Ticket and Go Back buttons should be available.
Actual Results	Enter Parking screen is displayed which contains the current parking rates, Get Ticket and
	Go Back buttons.

Test Case No.	2
Test Description	Enter Parking when parking space is not available
Module being Tested	Enter Parking
Importance	Parking can be entered only when parking space is available.
Test Steps	View Parking Availability. Parking space is not available.
	Click on Enter Parking.
Expected Results	Enter Parking screen should not be displayed.
	The main screen should display message that no parking space is available.
Actual Results	Main application screen does not change and no availability message is displayed.

Test Case No.	3
Test Description	Get Ticket
Module being Tested	Enter Parking
Importance	Parking should be entered without any errors.
Test Steps	Enter Parking screen is visible.
	Click on Get Ticket.
	After getting ticket, click on OK.
Expected Results	Message should be displayed with next ticket number in sequence.
	Entry gate should be opened.
	After clicking on OK, main application screen should be displayed.
	The parking availability should be updated.
Actual Results	Ticket number is unique and next in the sequence of ticket numbers.
	Entry gate is opened.
	Main application screen is displayed with updated availability.

Test Case No.	4
Test Description	Go Back from Enter Parking screen.
Module being Tested	Enter Parking
Importance	Driver can decide not to get ticket and not park in the parking lot.
Test Steps	Enter Parking screen is visible.
	Click on Go Back.
Expected Results	Main application screen should be displayed.
	Ticket should not be dispensed.
	Parking Availability should remain same as before.
	Entry gate should not be opened.
Actual Results	Ticket number is not displayed. Entry gate is not opened.
	Main application screen is displayed with unchanged parking availability.

Test Case No.	5
Test Description	Exit Parking when parking lot has occupants.
Module being Tested	Exit Parking
Importance	Parking can only be exited by someone inside the parking lot.
Test Steps	Current Availability is not zero. Click on Exit Parking.
Expected Results	Exit Parking screen should be displayed along with current Parking rates.
	Driver should be able to enter ticket number.
	Submit, Lost (Ticket) and Go Back buttons should be available.
Actual Results	Main application screen does not change and no availability message is displayed.

Test Case No.	6
Test Description	Exit Parking when parking lot is empty.
Module being Tested	Exit Parking
Importance	Parking can only be exited by someone inside the parking lot.
Test Steps	Current Availability is zero. Click on Exit Parking.
Expected Results	Main application screen should have message saying parking is empty.
	Exit Parking screen should not be displayed.
Actual Results	As expected.

Test Case No.	7
Test Description	Enter invalid ticket value.
Module being Tested	Exit Parking
Importance	Driver should not be able to enter invalid ticket and fool the system.
Test Steps	Exit Parking screen is displayed.
	Enter alphabets, special characters as ticket number.
	Click on Submit.
Expected Results	Error should be displayed.
Actual Results	Error is displayed asking driver to enter six digit ticket number.

Test Case No.	8
Test Description	Enter unissued ticket.
Module being Tested	Exit Parking
Importance	Driver should not be able to enter invalid ticket and fool the system.
Test Steps	Exit Parking screen is displayed.
	Enter ticket that has never been issued by the system.
	Click on Submit.
Expected Results	Error should be displayed.
Actual Results	Error is displayed for invalid ticket number.

Test Case No.	9
Test Description	Enter already submitted ticket.
Module being Tested	Exit Parking
Importance	Driver should not be able to enter invalid ticket and fool the system.
Test Steps	Exit Parking screen is displayed.
	Enter ticket that has already been submitted.
	Click on Submit.
Expected Results	Error should be displayed.
Actual Results	Error is displayed for invalid ticket number.

Test Case No.	10
Test Description	Enter valid ticket.
Module being Tested	Exit Parking

Importance	Driver should be able to pay and exit the parking if valid ticket is submitted.
Test Steps	Exit Parking screen is displayed.
	Enter valid six digit ticket number.
	Click on Submit.
Expected Results	Payment section should be displayed. Current Parking rates should be displayed.
	Total parking fee should be displayed as well as amount due now.
	Payment options should be displayed for payment by Cash as well as by Credit card.
	No payment button should be available.
	Driver should not be able to submit another ticket.
Actual Results	As expected.

Test Case No.	11
Test Description	Verify payment options
Module being Tested	Exit Parking
Importance	Payments can be made in different ways.
Test Steps	Exit Parking screen is displayed.
	Valid ticket has been submitted.
	Click on Payment types.
Expected Results	When payment type is Cash, Driver should be able to enter cash and click on Submit Cash
	button.
	When payment type is Credit, Driver should be able to enter name, address, credit card
	number, security code, expiration date and click on Submit credit card details.
	For both options, No Payment button should be available.
Actual Results	As expected.

Test Case No.	12
Test Description	Enter invalid values for cash.
Module being Tested	Exit Parking
Importance	Driver cannot submit non-monetary things as payment and fool the system.
Test Steps	Exit Parking screen is displayed.
	Valid ticket has been submitted.
	Click on Payment type: Cash.
	Enter invalid values for cash such as nothing, alphabets, dots, etc.
	Click on Submit Cash.
Expected Results	Error should be displayed. Payment should not be processed.
Actual Results	As expected.

Test Case No.	13
Test Description	Make full payment by Cash
Importance	Driver can exit the parking by making full cash payment.
Test Steps	Exit Parking screen is displayed.
	Valid ticket has been submitted.
	Click on Payment type: Cash.
	Enter exact amount due.
	Click on Submit Cash.
Expected Results	Message should be displayed that payment is received in full.
	Exit Gate should be opened.
	After exit gate is closed, main application screen should be displayed with updated
	parking availability.
Actual Results	As expected.
Cleanup	None

Test Case No.	14
Test Description	Make partial payment by Cash
Module being Tested	Exit Parking
Importance	Driver can enter payment by cash in installments.
Test Steps	Exit Parking screen is displayed.
	Valid ticket has been submitted.
	Click on Payment type: Cash.
	Enter some amount less than the total amount due.
	Click on Submit Cash.
Expected Results	Amount due should be updated. Total charge should not change.
	Exit Gate should not be opened.
Actual Results	As expected.

Test Case No.	15
Test Description	Make payment by Credit Card with valid details.
Module being Tested	Exit Parking
Importance	Driver can make payment by Credit Card.
Test Steps	Exit Parking screen is displayed.
	Valid ticket has been submitted.
	Click on Payment type: Credit.
	Enter valid name, address, 16 digit credit card number, 3 digit security code and
	expiration month and year in the future.
	Click on Submit Credit Card Details.
Expected Results	Message should be displayed that payment is received in full.
	Exit Gate should be opened.
	After exit gate is closed, main application screen should be displayed with updated
	parking availability.
Actual Results	As expected.

Test Case No.	16
Test Description	Make payment by Credit Card with invalid details.
Module being Tested	Exit Parking
Importance	Driver cannot enter incorrect credit card details for payment.
Test Steps	Exit Parking screen is displayed.
	Valid ticket has been submitted.
	Click on Payment type: Credit.
	Enter invalid values for Credit card details such as numeric name, numeric address.
	Credit card number which has alphabets or is not 16 digit long.
	Security code which has alphabets or is not 3 digit long.
	Expiration month and year which may be current month or in the past. Or not in mm-yyyy
	format.
	Click on Submit Credit Card Details.
Expected Results	Error should be displayed.
	Exit gate should not be opened.
Actual Results	As expected.

Test Case No.	17
Test Description	Make partial payment by Cash and partial payment by Credit Car.
Module being Tested	Exit Parking
Importance	Driver can make partial payments by cash and credit card.
Test Steps	Exit Parking screen is displayed.
	Valid ticket has been submitted.
	Click on Payment type: Cash.
	Enter some amount less than amount due.
	Click on Submit Cash.

	Click on Payment type: Cash. Enter valid credit card details. Click on Submit Credit Card Details.
Expected Results	After clicking on Submit Cash, amount due should be updated. After submission of Credit Card details, message should be displayed that payment has been made in full. Exit Gate should be opened. After exit gate is closed, main application screen should be displayed with updated parking availability.
Actual Results	As expected.

Test Case No.	18
Test Description	Do not make payment to exit parking.
Module being Tested	Exit Parking
Importance	Driver cannot exit without payment without giving name and license number.
Test Steps	Exit Parking screen is displayed.
	Valid ticket has been submitted.
	Click on No Payment.
	Enter name and license number.
	Click on Submit Exception.
Expected Results	After clicking on No Payment, driver should be able to enter name and license number.
	After clicking on Submit Exception, Exit Gate should be opened.
	No Payment Exception should be recorded in the system with the amount due.
	After exit gate is closed, main application screen should be displayed with updated
	parking availability.
Actual Results	As expected.

Test Case No.	19
Test Description	Incomplete details entered for No Payment Exception.
Module being Tested	Exit Parking
Importance	Driver cannot exit without payment without giving name and license number.
Test Steps	Exit Parking screen is displayed.
	Valid ticket has been submitted.
	Click on No Payment.
	Do not enter name or/and license number.
	Click on Submit Exception.
Expected Results	After clicking on Submit Exception, error should be displayed.
	Exit gate should not be opened.
Actual Results	As expected.

Test Case No.	20
Test Description	Make partial payment with Cash and then submit No Payment Exception.
Module being Tested	Exit Parking
Importance	Driver can pay some amount out of the total amount due and submit exception.
Test Steps	Exit Parking screen is displayed.
	Valid ticket has been submitted.
	Enter cash amount less than amount due.
	Submit Cash.
	Click on No Payment.
	Enter name and license number.
	Click on Submit Exception.
Expected Results	After submitted cash, amount due should be updated.
	After submitting No Payment Exception, an exception should be created with the name,
	license number and the updated amount due.
	Exit gate should be opened.

	Main application screen should be displayed with updated parking availability.
Actual Results	As expected.

Test Case No.	21
Test Description	Lost Ticket
Module being Tested	Exit Parking
Importance	Driver can report lost ticket.
Test Steps	Exit Parking screen is displayed.
	Click on Lost.
Expected Results	Payment section should be displayed. Current Parking rates should be displayed. Maximum amount for the day is displayed as total charge as well as amount due. Payment options should be displayed for payment by Cash as well as by Credit card. No payment button should be available. Driver should not be able to submit ticket.
Actual Results	As expected.

Test Case No.	22
Test Description	Enter payment for Lost Ticket
Module being Tested	Exit Parking
Importance	Driver can report lost ticket and still pay for parking.
Test Steps	Exit Parking screen is displayed.
	Click on Lost.
	Pay by either Cash or Credit or click on Payment.
Expected Results	Payment is recorded in the system without the ticket number if paid by Cash or Credit
	Card.
	No Payment Exception is entered with the maximum parking fee for the day.
	Exit gate should be opened.
	Main application screen should be displayed with updated parking availability.
Actual Results	As expected.

Test Case No.	23
Test Description	Go Back from Exit Parking screen
Module being Tested	Exit Parking
Importance	Driver can return back into the parking lot and not exit.
Test Steps	Exit Parking screen is displayed.
	Click on Go Back.
Expected Results	Exit gate should not be opened.
	Main application screen should be displayed with same parking availability as before.
Actual Results	As expected.

Test Case No.	24
Test Description	View Current Parking rates
Module being Tested	View Parking Rates
Importance	Driver or admin can view accurate parking rates.
Test Steps	Click on View Parking Rates.
Expected Results	Current Parking Rates should be displayed.
Actual Results	Current Parking Rates are displayed.

Test Case No.	25
Test Description	Go Back from View Current Parking rates screen
Module being Tested	View Parking Rates
Importance	Driver or admin can go back to main screen after viewing the parking rates.
Test Steps	Current Parking Rates are displayed.

	Click on Go Back.
Expected Results	Main application screen should be displayed with same parking availability as before.
Actual Results	Main application screen is displayed without any change.

Test Case No.	26
Test Description	Login Screen
Module being Tested	Login
Importance	Admin can login to the system and get admin privileges.
Test Steps	Click on Login.
Expected Results	Login screen should be displayed.
	User should be able to enter username and password and submit them.
	Forgot password option should be available.
Actual Results	As expected.

Test Case No.	27
Test Description	Enter incorrect login details.
Module being Tested	Login
Importance	User cannot enter bogus values and gain access to admin privileges.
Test Steps	Click on Login from main application screen.
	a) Do not enter username and/or password. Click on Login.
	b) Enter non alphanumeric characters in username and/or password. Click on Login.
	c) Enter invalid username and password. Click on Login.
	d) Enter valid username but incorrect password. Click on Login.
Expected Results	Error should be displayed.
	User should not be logged in.
Actual Results	As expected.

Test Case No.	28
Test Description	Forgot Password Screen
Module being Tested	Login
Importance	Admin can reset password if forgotten.
Test Steps	Click on Login from main application screen.
	Enter valid username.
	Click on Forgot Password.
Expected Results	Security question should be displayed for that user.
	User should be able to enter Security Answer and Verify identity.
Actual Results	As expected.

Test Case No.	29
Test Description	Incorrect usage of Forgot Password
Module being Tested	Login
Importance	User cannot misuse Forgot Password option and reset password.
Test Steps	Click on Login from main application screen.
	Enter no/invalid username.
	Click on Forgot Password.
Expected Results	Error should be displayed. User should not be logged in.
Actual Results	As expected.

Test Case No.	30
Test Description	Incorrect Security Answer.
Module being Tested	Login
Importance	User cannot misuse Forgot Password option and reset password.
Test Steps	Click on Login from main application screen.

	Enter valid username. Click on Forgot Password. Enter incorrect Security answer.
Expected Results	Error should be displayed. User should not be logged in.
Actual Results	As expected.

Test Case No.	31
Test Description	Correct usage of Forgot Password.
Module being Tested	Login
Importance	User can use Forgot Password option to regain ability to login.
Test Steps	Click on Login from main application screen.
	Enter valid username.
	Click on Forgot Password.
	Enter correct Security answer.
Expected Results	User should be able to enter new password. Change password button should be displayed.
Actual Results	As expected.

Test Case No.	32
Test Description	Invalid new Password after Forgot Password
Module being Tested	Login
Importance	User cannot misuse Forgot Password option and reset password.
Test Steps	Click on Login from main application screen.
	Enter valid username.
	Click on Forgot Password.
	Enter correct Security answer.
	Enter no/invalid password such as non-alphanumeric characters.
Expected Results	Error should be displayed. User should not be logged in.
Actual Results	As expected.

Test Case No.	33
Test Description	Go Back from Login or Forgot Password screen
Module being Tested	Login
Importance	
Test Steps	a) Click on Login from main application screen Click on Go Back.
	b) Click on Forgot Password. Click on Go Back.
Expected Results	Main application screen should be displayed as before. User should not be logged in.
Actual Results	As expected.

Test Case No.	34
Test Description	Go Back from Login or Forgot Password screen
Module being Tested	Login
Importance	User can go back to main screen if doesn't want to log in.
Test Steps	a) Click on Login from main application screen Click on Go Back.
	b) Click on Forgot Password. Click on Go Back.
Expected Results	Main application screen should be displayed as before. User should not be logged in.
Actual Results	As expected.

Test Case No.	35
Test Description	Login as Admin
Module being Tested	Login
Importance	Admin can login to the system and get admin privileges.
Test Steps	Click Login on main application screen.
	Enter correct username and password. Click on Login.

	Expected Results	Admin should be logged into the system. Admin screen should be displayed with options to add another account, disable account, change password, configure parking size and parking rates and to generate reports.
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١	Actual Results	As expected.

Test Case No.	36
Test Description	Login as Admin after resetting password through Forgot Password option.
Module being Tested	Login
Importance	Admin can login to the system after resetting/changing password.
Test Steps	Click Login on main application screen.
	Change password by using Forgot Password option.
	Click Login again on the main application screen.
	Enter correct username and newly changed password. Click on Login.
Expected Results	Admin should be logged into the system. Admin screen should be displayed with options
	to add another account, disable account, change password, configure parking size and
	parking rates and to generate reports.
Actual Results	As expected.

Test Case No.	37
Test Description	Configure Parking Rates.
Module being Tested	Configure Parking Rates
Importance	Admin can configure parking rates.
Test Steps	Admin clicks on Configure Parking Rates.
	Enter new parking rates in decimal format on the screen.
	Click on Update Rates.
Expected Results	Message should be displayed that parking rates are updated and they should be updated
	in the system.
	Admin screen should be displayed again.
	These new rates should now be displayed for Enter Parking, Exit Parking and View
	Parking Rates.
Actual Results	As expected.

Test Case No.	38
Test Description	Configure Parking Rates with invalid values.
Module being Tested	Configure Parking Rates
Importance	Admin cannot enter invalid values for new parking rates.
Test Steps	Admin clicks on Configure Parking Rates.
	Enter invalid parking rates, such as alphabets, special characters, or integers in non-
	decimal format.
	Click on Update Rates.
Expected Results	Error should be displayed to enter valid parking rates.
	Parking rates should not be updated.
Actual Results	As expected.

Test Case No.	39
Test Description	Configure Parking Size.
Module being Tested	Configure Parking Size
Importance	Admin can configure parking size.
Test Steps	Admin clicks on Configure Parking Size.
	Enter valid new size.
	Click on Update Parking Size.
Expected Results	Message should be displayed that parking size has been updated and it should be updated
	in the system.
	Admin screen should be displayed again.

Actual Results	As expected.
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Test Case No.	40
Test Description	Configure Parking Size with invalid values.
Module being Tested	Configure Parking Size
Importance	Admin cannot enter invalid value for new parking size.
Test Steps	Admin clicks on Configure Parking Size.
	Enter invalid new size, such as alphabets, special characters, decimal numbers.
	Invalid size also includes zero and integer less than current occupied slots.
	Click on Update Parking Size.
Expected Results	Error should be displayed to enter valid parking size.
	Parking size should not be updated.
Actual Results	As expected.

Test Case No.	41
Test Description	Add Account
Module being Tested	Add Account
Importance	Admin can add another admin account.
Test Steps	Admin clicks on Add Account.
	Enter valid username, password, security question and security answer.
	Click on Create Account.
Expected Results	New account should be added in the system and message should be displayed for the
	same.
	Admin Screen should be displayed again.
Actual Results	As expected.

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Test Case No.	42
Test Description	Add Account with invalid values
Module being Tested	Add Account
Importance	Admin cannot add another account with invalid details.
Test Steps	Admin clicks on Add Account.
	Enter invalid username, password, security question and security answer:
	a) Username that already exists in system.
	b) Non alphanumeric characters for any of the four fields.
	c) No value for any of the fields.
	Click on Create Account.
Expected Results	Error should be displayed.
	New account should not be added in the system.
Actual Results	As expected.

Test Case No.	43
Test Description	Login using new account added by Add Account option.
Module being Tested	Add Account
Importance	New admin can login to the system after account has been created.
Test Steps	Admin adds another account.
	Login using new account username and password.
Expected Results	Admin should be logged into the system. Admin screen should be displayed with options
	to add another account, disable account, change password, configure parking size and
	parking rates and to generate reports.
Actual Results	As expected.

Test Case No.	44
Test Description	Disable Account

Module being Tested	Disable Account
Importance	Admin can disable another admin account.
Test Steps	Admin clicks on Disable Account.
	Enter valid username.
	Click on Confirm Disable Account.
Expected Results	Account entered should be disabled.
	Audit record should be entered by system for account disabled, active admin who disabled
	the account and the current time.
Actual Results	As expected.

Test Case No.	45
Test Description	Login using account that has been disabled using the Disable Account option.
Module being Tested	Disable Account
Importance	Admin cannot login to the system after account has been disabled by another admin.
Test Steps	Admin has disabled another account.
	Login using disabled account.
Expected Results	User should not be logged in.
Actual Results	As expected.

Test Case No.	46
Test Description	Disable account with invalid username.
Module being Tested	Disable Account
Importance	Admin cannot disable his own account, or account that doesn't exist.
Test Steps	Admin clicks on Disable Account.
	Enter invalid username, such as no value, non-alphanumeric characters or non-existing or
	disabled username.
	Invalid username also includes logged-in admin's username.
	Click on Confirm Disable Account.
Expected Results	Error should be displayed to enter correct username for disabling.
	No account is disabled.
Actual Results	As expected.

Test Case No.	47
Test Description	Change Password.
Module being Tested	Change Password.
Importance	Admin can change password.
Test Steps	Admin clicks on Change Password.
	Enter correct current password.
	Enter valid values for new password. Enter same values for both new password and re-
	enter new password fields.
	Click on Confirm Change Password.
Expected Results	Message should be displayed that password has been changed.
	Password should be updated in the system for the logged-in admin.
	Admin screen should be displayed.
Actual Results	As expected.

Test Case No.	48
Test Description	Change Password with invalid values
Module being Tested	Change Password.
Importance	Admin cannot change password to invalid values.
Test Steps	Admin clicks on Change Password.
	Enter invalid values for the password:
	a) Incorrect current password.
	b) Non alphanumeric characters in any field.

	c) New password does not match value in Re-enter new password field. Click on Confirm Change Password.
Expected Results	Error should be displayed.
	Password should not be updated in the system for the logged-in admin.
Actual Results	As expected.

Test Case No.	49
Test Description	Generate Reports screen
Module being Tested	Generate Reports.
Importance	Admin can generate accurate reports.
Test Steps	Admin clicks on Generate Reports.
Expected Results	Reports screen should be displayed for the admin.
	Reports available should be Hourly Revenue Report for a particular day, Daily Revenue
	Report for a particular month, Monthly Revenue Report for a particular year, Most and
	Least used hours in last month, Maximum Revenue day in last month and Daily Occupancy
	counts for last month.
	Go Back and logout options should also be available.
Actual Results	As expected.

Test Case No.	50
Test Description	Hourly Revenue Report for a particular day
Module being Tested	Generate Reports.
Importance	Admin can generate accurate reports.
Test Steps	Admin clicks on Get Hourly Revenue Report for a particular day.
	Enter day in format mm-dd-yyyy for a day in the past.
Expected Results	Accurate Hourly Report for Revenue should displayed for the chosen day in the past.
Actual Results	As expected.

Test Case No.	51
Test Description	Hourly Revenue Report for invalid day, today or future day.
Module being Tested	Generate Reports.
Importance	Admin cannot generate inaccurate reports.
Test Steps	Admin clicks on Get Hourly Revenue Report for a particular day.
	a) Enter day in format other than mm-dd-yyyy for a day in the past.
	b) Enter value in incorrect format.
	c) Enter today's date.
	d) Enter day in future.
Expected Results	Error should be displayed.
	Report screen is displayed.
Actual Results	As expected.

Test Case No.	52
Test Description	Daily Revenue Report for a particular month
Module being Tested	Generate Reports.
Importance	Admin can generate accurate reports.
Test Steps	Admin clicks on Get Daily Revenue Report for a particular month.
-	Enter month in format mm-yyyy for a completed month in the past.
Expected Results	Accurate Daily Report for Revenue should be displayed for the chosen month in the past.
Actual Results	As expected.

Test Case No.	53
Test Description	Daily Revenue Report for invalid month, current month or a future month.
Module being Tested	Generate Reports.

Importance	Admin cannot generate inaccurate reports.
Test Steps	Admin clicks on Get Daily Revenue Report for a particular month.
	a) Enter month in format other than mm-yyyy for a completed month in the past.
	b) Enter value in incorrect format.
	c) Enter current month.
	d) Enter month in future.
Expected Results	Error should be displayed.
	Report screen is displayed.
Actual Results	As expected.

Test Case No.	54
Test Description	Monthly Revenue Report for a particular year
Module being Tested	Generate Reports.
Importance	Admin can generate accurate reports.
Test Steps	Admin clicks on Get Monthly Revenue Report for a particular year.
	Enter year in format yyyy for a completed year in the past.
Expected Results	Accurate Monthly Report for Revenue should be displayed for the chosen year in the past.
Actual Results	As expected.

Test Case No.	55
Test Description	Monthly Revenue Report for invalid year, current year or a future year.
Module being Tested	Generate Reports.
Importance	Admin cannot generate inaccurate reports.
Test Steps	Admin clicks on Get Monthly Revenue Report for a particular year.
	a) Enter month in format other than yyyy for a completed year in the past.
	b) Enter value in incorrect format.
	c) Enter current year.
	d) Enter year in future.
Expected Results	Error should be displayed.
	Report screen is displayed.
Actual Results	As expected.

Test Case No.	56
Test Description	Generate report for Most and least used hours in last month
Module being Tested	Generate Reports.
Importance	Admin can generate accurate reports.
Test Steps	Admin clicks on Get Most and Least used hours in last month.
Expected Results	Accurate Most and Least used hours in last month should be displayed along with the day and occupancy percentage.
Actual Results	As expected.

Test Case No.	57
Test Description	Generate report for Maximum Revenue day in last month
Module being Tested	Generate Reports.
Importance	Admin can generate accurate reports.
Test Steps	Admin clicks on Get Maximum Revenue day in last month.
Expected Results	Accurate Maximum Revenue day in last month should be displayed along with total revenue for that day.
Actual Results	As expected.

Test Case No.	58
Test Description	Generate report for daily occupancy counts for last month
Module being Tested	Generate Reports.

Importance	Admin can generate accurate reports.
Test Steps	Admin clicks on Get Daily Occupancy Counts for last month.
Expected Results	Accurate Daily Occupancy Counts for last month should be displayed with day and corresponding occupancy count.
Actual Results	As expected.

Test Case No.	59
Test Description	Go Back from any Admin screen.
Module being Tested	Login
Importance	Admin can go back to main admin screen.
Test Steps	Admin clicks on Go Back.
Expected Results	Admin Screen should be displayed with all the Admin related options.
Actual Results	As expected.

Test Case No.	60
Test Description	Go Back from any Report screen.
Module being Tested	Generate Reports.
Importance	Admin can go back to report screen.
Test Steps	Admin clicks on Go Back to Reports.
Expected Results	Reports Screen should be displayed with all the report options.
Actual Results	As expected.

Test Case No.	61
Test Description	Logout from any admin screen.
Module being Tested	Login.
Importance	Admin can log out of the system.
Test Steps	Admin clicks on Logout.
Expected Results	Admin is logged out of the system. Main application screen is displayed.
Actual Results	As expected.

GitHub Commit Log:

commit abeb6efa0812f5fb2c90c25f665a6bee83213acc Author: masterf89 <farheenmaster@gmail.com> Date: Wed Oct 29 23:31:26 2014 -0400

changes + test plan

 $commit\ d3e5625c7793572ef61aa954569e38e93e927fa5$

Author: masterf89 <farheenmaster@gmail.com>

Date: Wed Oct 29 19:40:05 2014 -0400

Added diagrams to submission doc

 $commit\ cbc 669516e728dca 4e84fc 32876ca 355402570d2$

Author: masterf89 <farheenmaster@gmail.com>

Date: Wed Oct 29 19:39:47 2014 -0400

zip folder containing source code and lib

commit ac9c1a6d4d177cc9a75fbb1465ac1b90e18ee174

Author: masterf89 <farheenmaster@gmail.com>

Date: Wed Oct 29 17:12:37 2014 -0400

Design Sequence Diagrams added

commit 2aa9dec2276ec699a815160e9a2ef99e1c3fb7b4

Author: masterf89 <farheenmaster@gmail.com>

Date: Wed Oct 29 17:12:20 2014 -0400

Design class diagram added

commit 7cec05c5107899e8ef4f5086a8e610df032470c6

Author: masterf89 <farheenmaster@gmail.com>

Date: Wed Oct 29 17:12:03 2014 -0400

cleanup

commit 0ffec916929ebb0d3df387c531f45b09986e183b

Author: masterf89 <farheenmaster@gmail.com>

Date: Wed Oct 29 17:10:18 2014 -0400

renamed

commit f86aadff5669b574f8503d6d912f57678832d1db

Author: masterf89 <farheenmaster@gmail.com>

Date: Wed Oct 29 17:01:14 2014 -0400

updated plan

commit aa0877a722ef4c728b8627b24403914ad8dd16ed

Author: masterf89 <farheenmaster@gmail.com>

Date: Wed Oct 29 17:01:07 2014 -0400

Removed eclipse project for class modeling

commit 46cea73e28f7505139aaaefb6a4afd0c7e3c3bd5

Author: masterf89 <farheenmaster@gmail.com>

Date: Tue Oct 28 22:41:09 2014 -0400

removing unnecessary imports

 $commit\ 331 a cad 803631 c fef4e 69507 c 12 f 19 f 21 c e 2 ab 7 e$

Author: masterf89 <farheenmaster@gmail.com>

Date: Tue Oct 28 22:35:43 2014 -0400

deleted by mistake

commit 56c58366bb77d880986d8d1b6580d4afc825b785

Author: masterf89 <farheenmaster@gmail.com>

Date: Tue Oct 28 22:34:25 2014 -0400

commit

commit ec1cbf50f876ac8d95ae08f010082eb3f4def9e8

Author: masterf89 <farheenmaster@gmail.com>

Date: Tue Oct 28 22:06:50 2014 -0400

added db scripts and method to populate database

commit b0c7eafbf1565084a2d31312a6575eb2abf367cd

Author: masterf89 <farheenmaster@gmail.com>

Date: Tue Oct 28 21:02:56 2014 -0400

Added test plan

commit 65de938f4a023a7ad954dc57cd1b579a3908a484

Author: masterf89 <farheenmaster@gmail.com>

Date: Tue Oct 28 20:37:48 2014 -0400

comments and cleanup

commit 7b98bd9e478c5d7e0124e0ab5f2e74a7ad440a22

Author: masterf89 <farheenmaster@gmail.com>

Date: Tue Oct 28 20:25:56 2014 -0400

deleted

commit 7eba251146a28851b9654350c99460f7017c6b14

Author: masterf89 <farheenmaster@gmail.com>

Date: Tue Oct 28 20:25:13 2014 -0400

sequence diagram added

commit a8d54c9bb12285582b5f20ad91be9bc9e73fb87e

Author: masterf89 <farheenmaster@gmail.com>

Date: Tue Oct 28 20:24:56 2014 -0400

changes to project

commit cee90368d698d4a99c4e6beaecf08db2dfa01362

Author: masterf89 <farheenmaster@gmail.com>

Date: Mon Oct 27 22:44:26 2014 -0400

Code completed

commit 1d36f6d0f03e2e8ac3c4627534b116180c77fc1a

Author: masterf89 < farheenmaster@gmail.com >

Date: Sat Oct 25 12:15:20 2014 -0400

Fixed AdminUI classes

commit 7ef384de5dcf507ef40fe4c129584b74da7e2799

Author: masterf89 <farheenmaster@gmail.com>

Date: Sat Oct 25 12:15:02 2014 -0400

Added operations

commit 441938a7644b6ba96b04f33f66781c979925cb33

Author: masterf89 <farheenmaster@gmail.com>

Date: Fri Oct 24 23:11:10 2014 -0400

Added viewRates Ui

commit d1532cf66f4f895ea4c8fecaa0f68d6812803402

Author: masterf89 <farheenmaster@gmail.com>

Date: Fri Oct 24 23:11:01 2014 -0400

Adding Payment handling classes

commit 48be253985dff52cf755d19da88ce55cb001b94c

Author: masterf89 <farheenmaster@gmail.com>

Date: Fri Oct 24 23:10:44 2014 -0400

Updates to mainUI

 $commit\ fa 57701 fb c fb b 5239358 b 9 b 5 e 409 e f 609 c 531 b 06$

Author: masterf89 <farheenmaster@gmail.com>

Date: Fri Oct 24 23:10:32 2014 -0400

Changes to main controller

commit d5ef62600b741ca6d57e4164eb0ddbd49c7211e0

Author: masterf89 <farheenmaster@gmail.com>

Date: Fri Oct 24 23:10:15 2014 -0400

Added database operations

commit 7c93857a9d16c806db46c671cf46cfd2aede51e1

Author: masterf89 <farheenmaster@gmail.com>

Date: Fri Oct 24 23:09:59 2014 -0400

Added admin related classes

commit f78589d3f4cd31f6d2b8a2517aed41c1b9d1b2bb

Author: masterf89 <farheenmaster@gmail.com>

Date: Fri Oct 24 23:09:12 2014 -0400

Added parking related classes

commit 732e76fb7759b9b32fe33bb96e46cec9e7c0947d

Author: masterf89 <farheenmaster@gmail.com>

Date: Thu Oct 23 12:04:37 2014 -0400

EnterParking UI Handler

commit b3b13de13e3e76d7e77c902fcac64b348c547534

Author: masterf89 <farheenmaster@gmail.com>

Date: Thu Oct 23 12:03:51 2014 -0400

Added Exit Parking and View Parking Rates

commit 6b6e99b69afef3098f15d1e6a95255a4bcb17c60

Author: masterf89 <farheenmaster@gmail.com>

Date: Wed Oct 22 11:49:17 2014 -0400

Changes to Parking System

commit ec20289727ba32e2eb1160b74dcb19441fe2b5cf

Author: masterf89 <farheenmaster@gmail.com>

Date: Wed Oct 8 17:14:45 2014 -0400

Added ParkingGarage project

commit 8a8c74919376410ebfac16c5477a84846b3a772d

Author: masterf89 <farheenmaster@gmail.com>

Date: Tue Oct 7 09:25:58 2014 -0400

Added Design Class Model

 $commit\ 80e16876d5cbd65512b7261ee2f1c5b5f2040241$

Author: masterf89 <farheenmaster@gmail.com>

Date: Fri Oct 3 11:24:37 2014 -0400

Planning updated with dates

commit d615bf8e767d341187fadea17d6616ed2c500ad2

Author: masterf89 < farheenmaster@gmail.com>

Date: Fri Oct 3 11:05:02 2014 -0400

Update README.md

 $commit\ 858bc 228e 63eb 5889 2553167c779f 11ec 381e5fd$

Author: masterf89 <farheenmaster@gmail.com>

Date: Thu Oct 2 14:13:31 2014 -0400

Reorg

commit 00e7beff6765062637658270067ffb2f7d95aecb

Merge: 360c9d3 b93a84b

Author: masterf89 <farheenmaster@gmail.com>

Date: Thu Oct 2 13:48:54 2014 -0400

Merge branch 'master' of https://github.com/masterf89/Parking-System

 $commit\ 360c9d39f17d0a58d238b1fdf00b0c463b12cff0$

Author: masterf89 <farheenmaster@gmail.com>

Date: Thu Oct 2 13:48:37 2014 -0400

Reorg

commit b93a84b652036077db3b26c4ab7fc57a0461e61b

Author: masterf89 <farheenmaster@gmail.com>

Date: Thu Oct 2 13:42:47 2014 -0400

Create README.md

commit 72749a2ae39aa33de498df1944376d9378dd224d

Author: masterf89 <farheenmaster@gmail.com>

Date: Thu Oct 2 13:39:40 2014 -0400

Added Class Model Project

 $commit\ b 29a931850a1080d314e6 fac 2414eaf74d285f9b$

Author: masterf89 <farheenmaster@gmail.com>

Date: Thu Oct 2 13:34:53 2014 -0400

Adding Domain Model Project

 $commit\ 5b09bbf0a142cc7fa08d4528ad2ae70157da1977$

Author: masterf89 <farheenmaster@gmail.com>

Date: Thu Oct 2 11:56:18 2014 -0400

Adding Diagrams

 $commit\ 96cd08a122a3e3faaf6b9f5de62c8eb8721a4242$

Author: masterf89 <farheenmaster@gmail.com>

Date: Thu Oct 2 11:46:49 2014 -0400

:tada: Added .gitattributes & .gitignore files