uat_adhoc_unreadable.pdf	
Unreadable Adhoc Ticket	Date: 22/09/2017

Test Name	Paid-up Adhoc Ticket
Use Case Tested:	Pay for Ticket
Test Description:	A customer passes a casual (a.k.a. 'Adhoc') ticket to the paystation, etc.
Pre-conditions	The car park is open for business and someone intends to pay for their casual carpark ticket.
Post-conditions	The ticket is recorded as paid for. The time of the payment has been stored.
Notes:	**The paystation ui is launched from the IDE.**
Result (Pass/Fail/Warning/Incomplete)	

	TEST STEP	EXPECTED TEST RESULTS	P	F
1.	An 'in use' ticket is inserted by driver.	System rejects the ticket.		
2.	Driver pays charge.	System ejects ticket with time and amount paid stamped on ticket.	**n/a**	**n/a**
3.				

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Test Item		Description	Result
1.	Ticket Number: 1 DateString:22092017010146 A-1- FEFF003200320030003900320030003100370030003100300030003100340036	This data was copied and then pasted into the ui barcode reader within less than a minute of the ticket being issued and the ticket having been sent set to 'current'.	Fail
2.	Ticket Number: 1 DateString:22092017011258 A-1- FEFF003200320030003900320030003100370030003100300031003200350038	This data was copied and then pasted into the ui barcode reader after more than an hour after the ticket had been issued and set to 'current'.	Fail

The paystation failed to display a charge for any of the casual tickets. In both cases the error report logged to the system console identified the following:

Exception in thread "AWT-EventQueue-0" java.lang.ArithmeticException: Non-terminating decimal expansion; no exact representable decimal result.

      at java.math.BigDecimal.divide(BigDecimal.java:1690)

      at bcccp.carpark.CalcAdhocTicketCharge.calcDayCharge(CalcAdhocTicketCharge.java:252)

i.e. a problem in the code responsible for calculating the charge for the ticket inserted.

Figure 1. Failure at Step #1 after Test Item 1's barcode was passed in to the barcode reader.
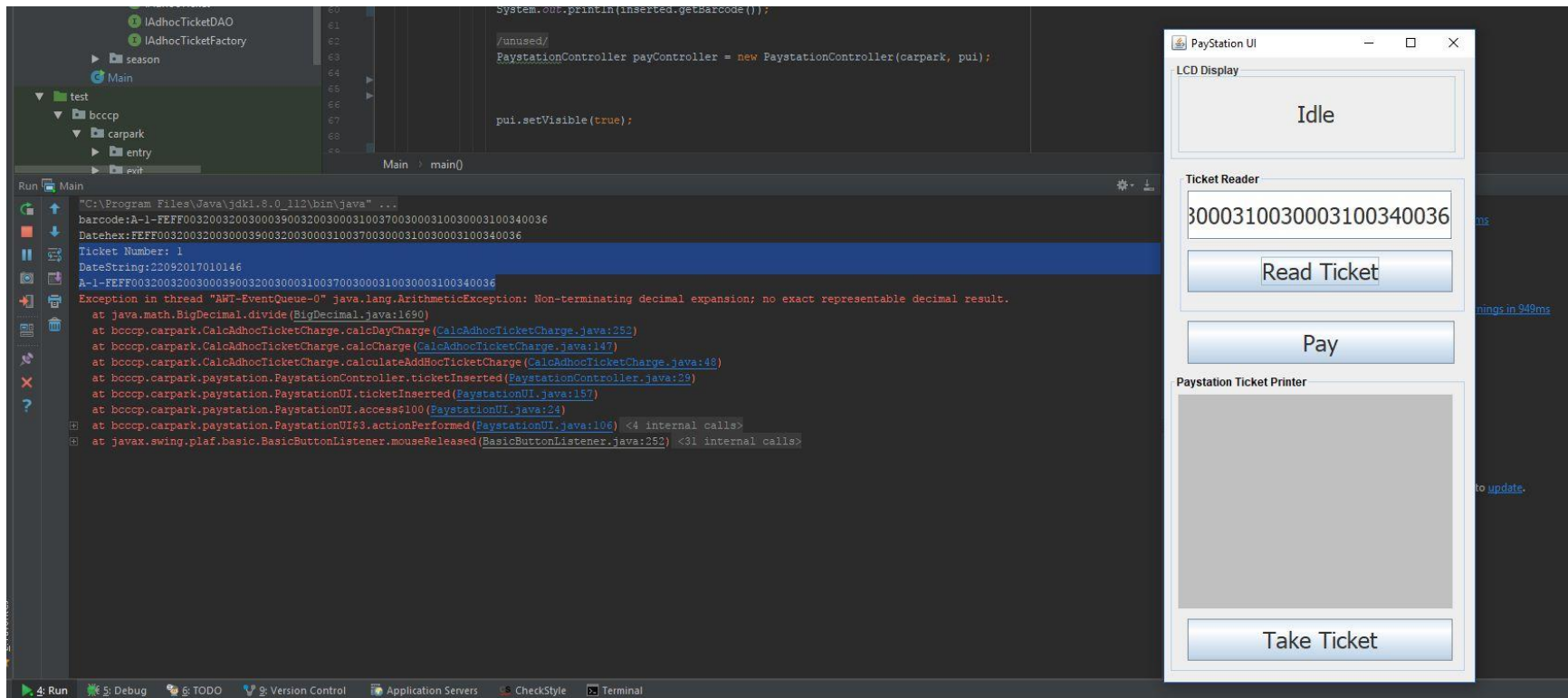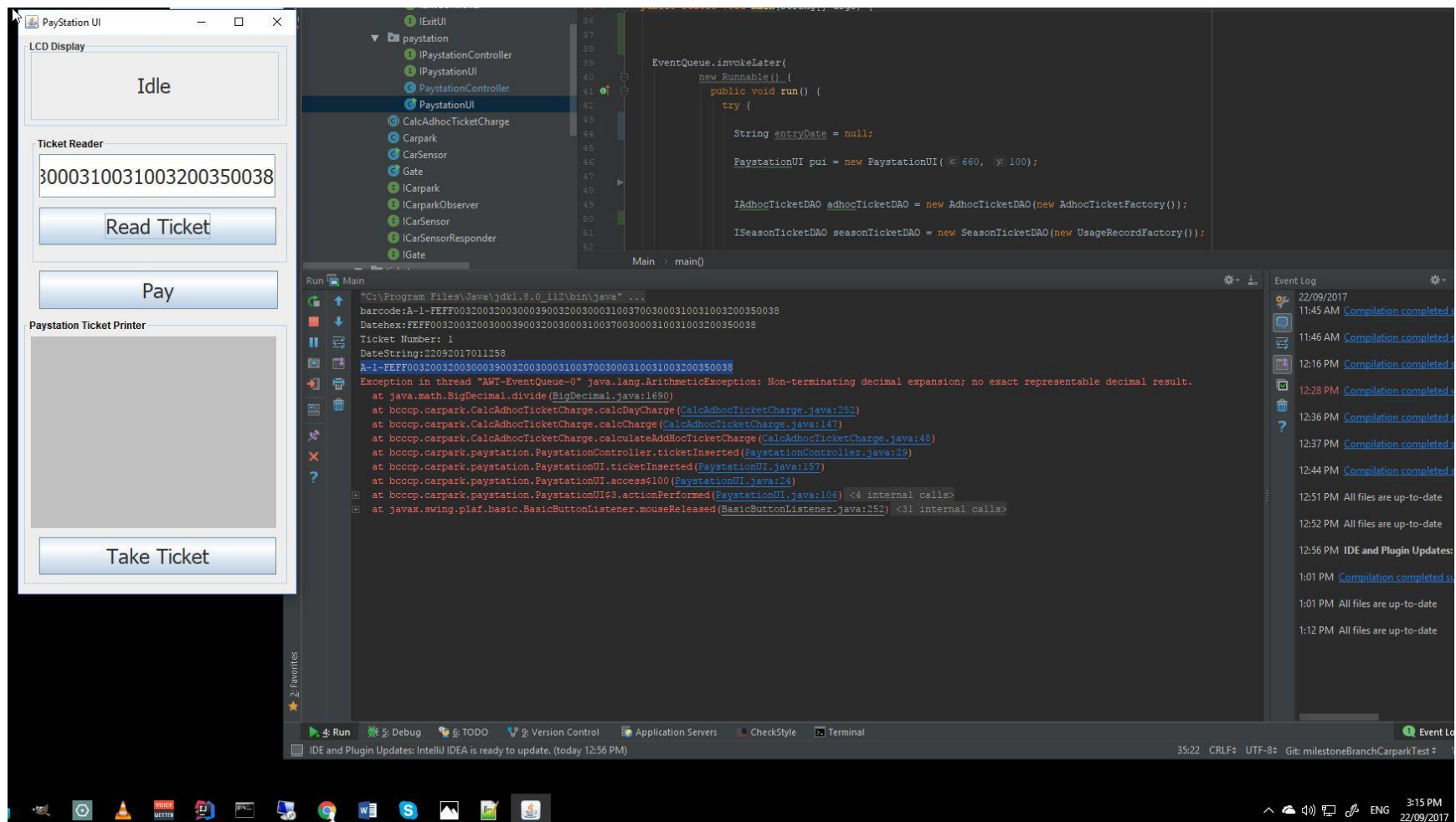
Figure 2. Failure at Step #1 after Test Item 2's barcode was passed in to the barcode reader.

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