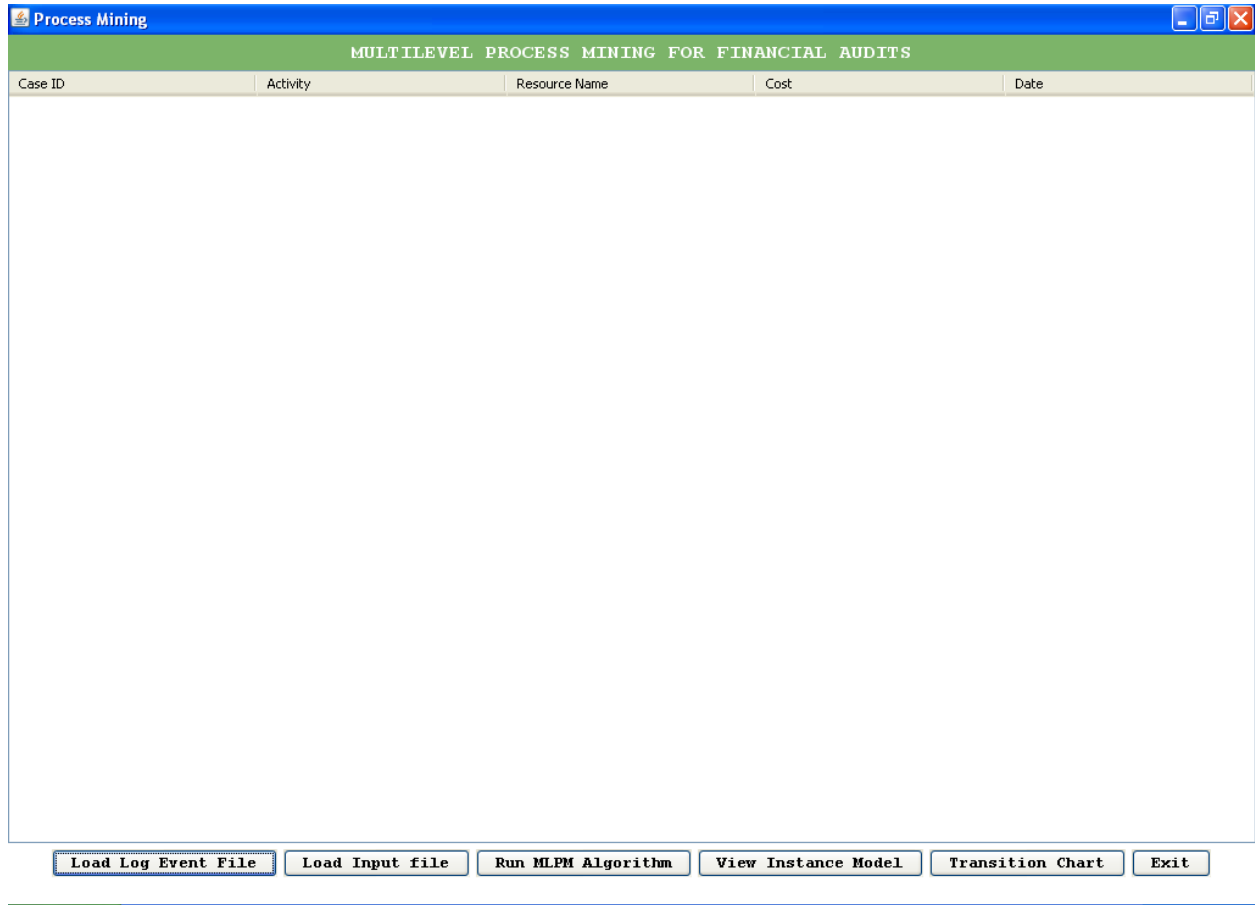
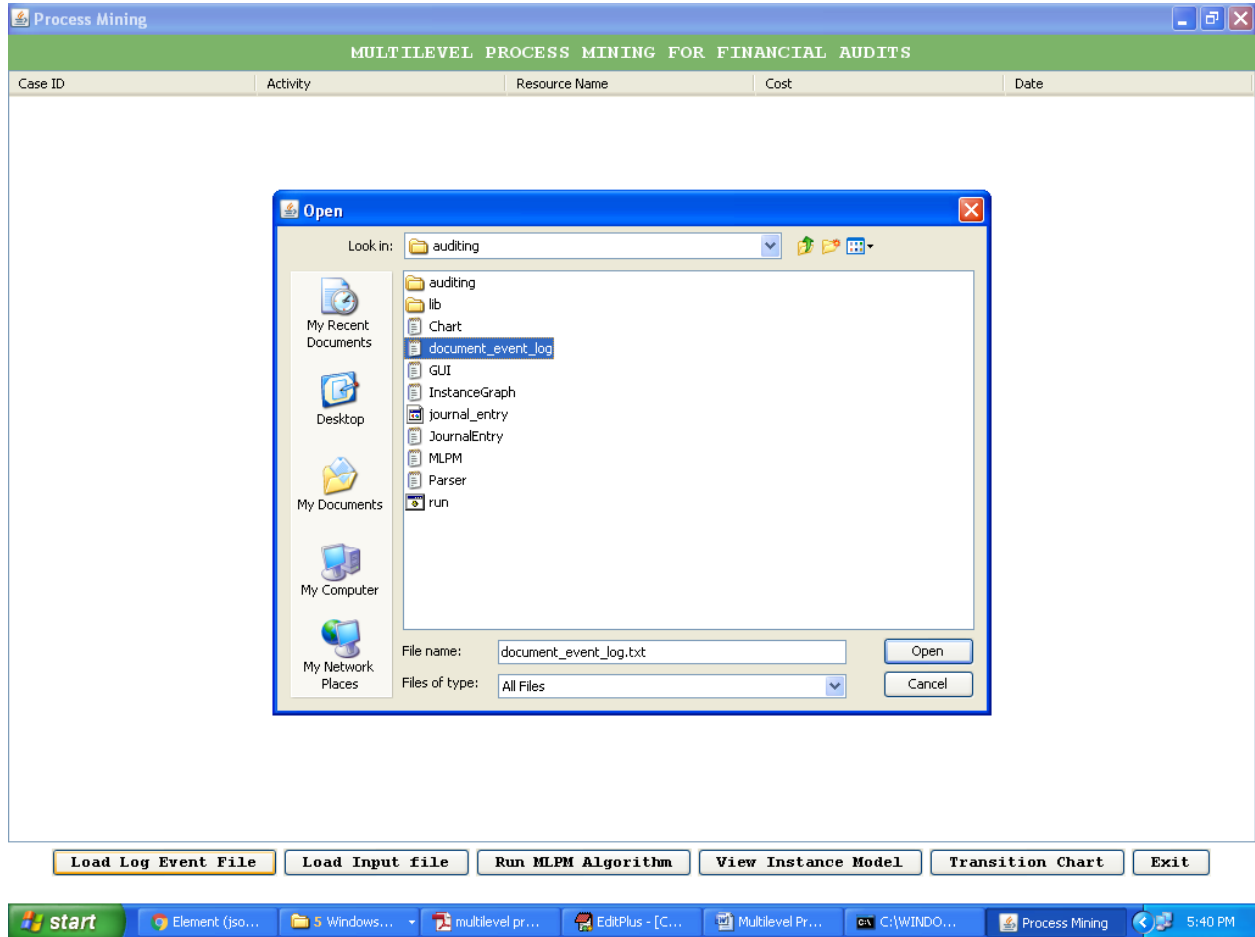
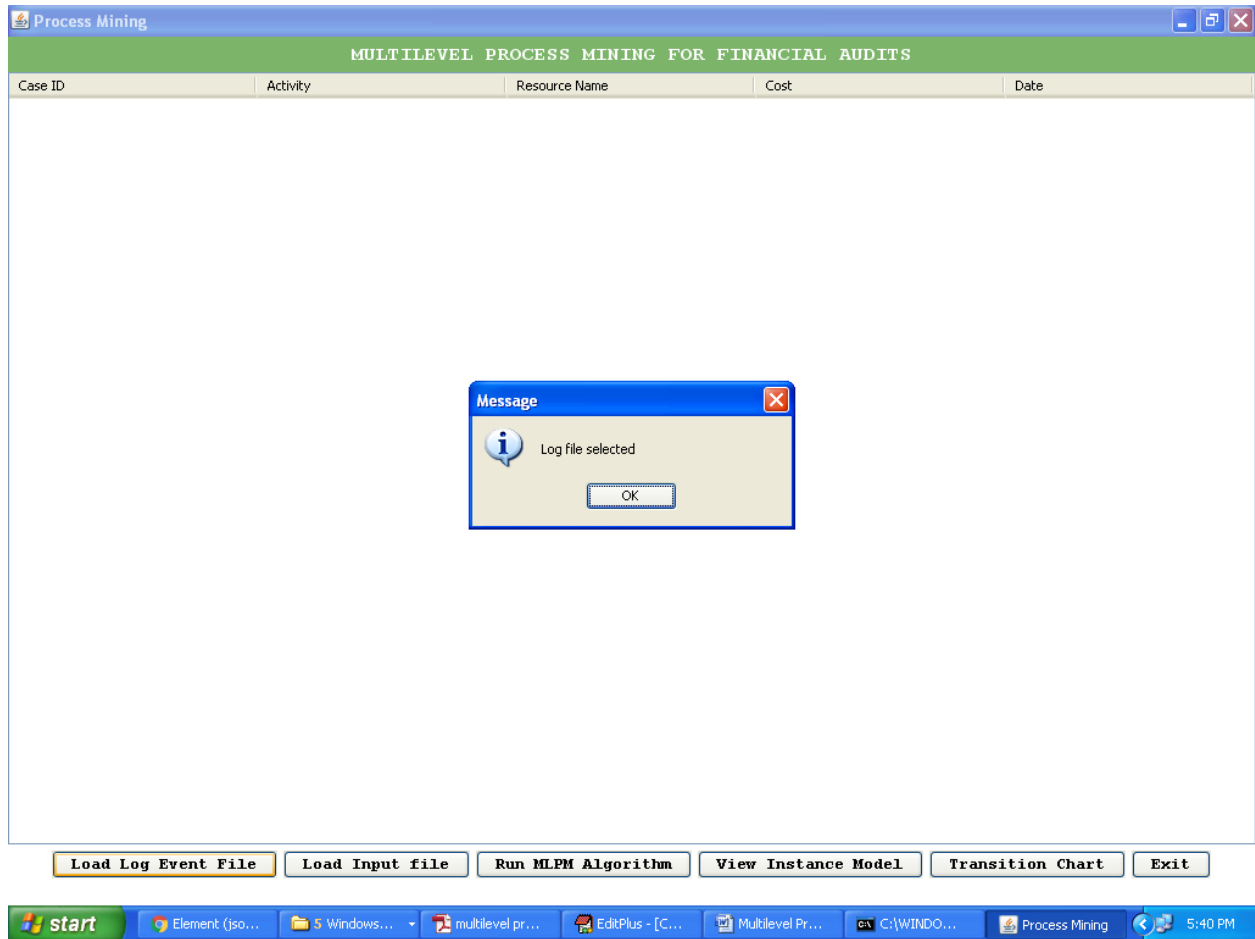


Multilevel Process Mining for Financial Audits

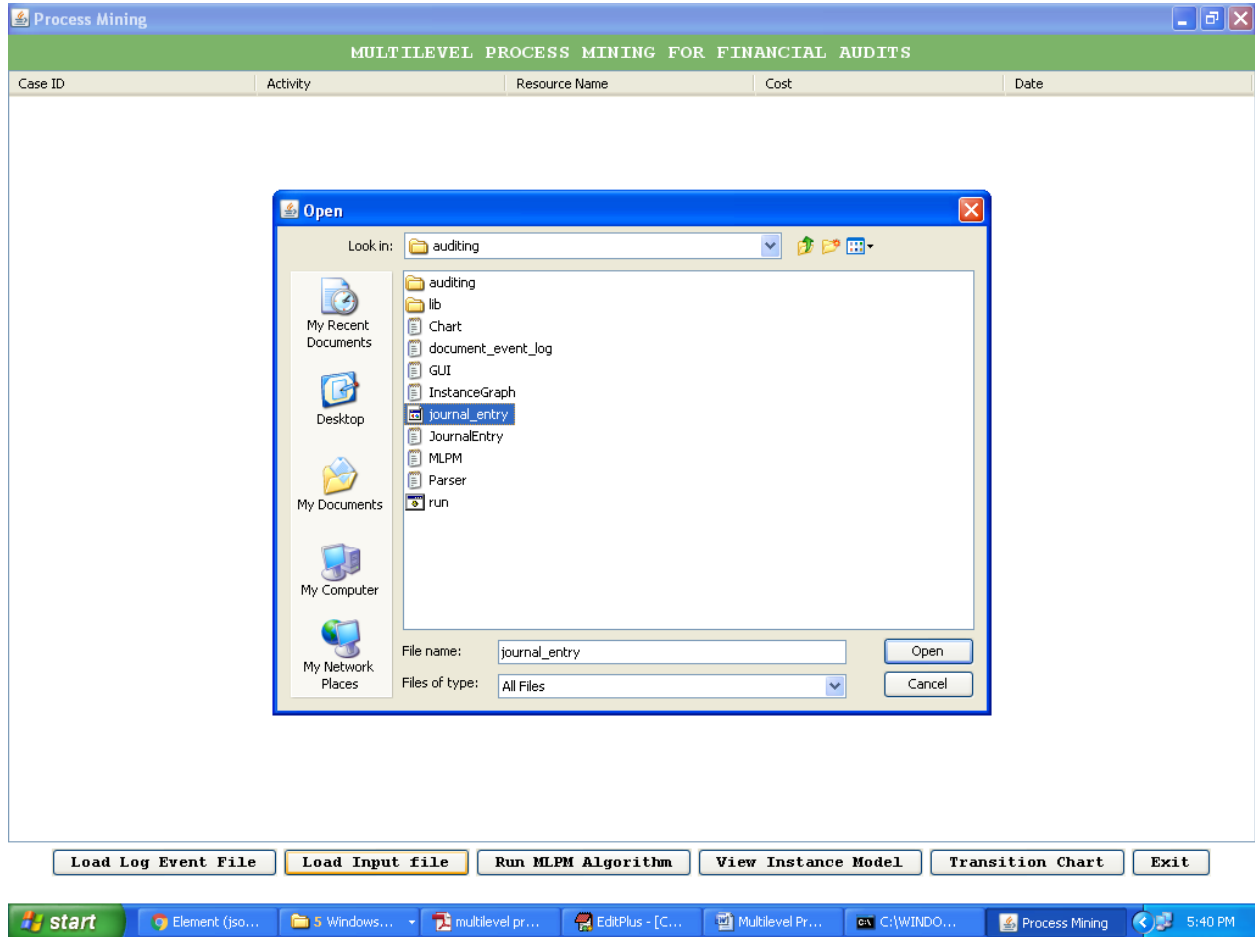


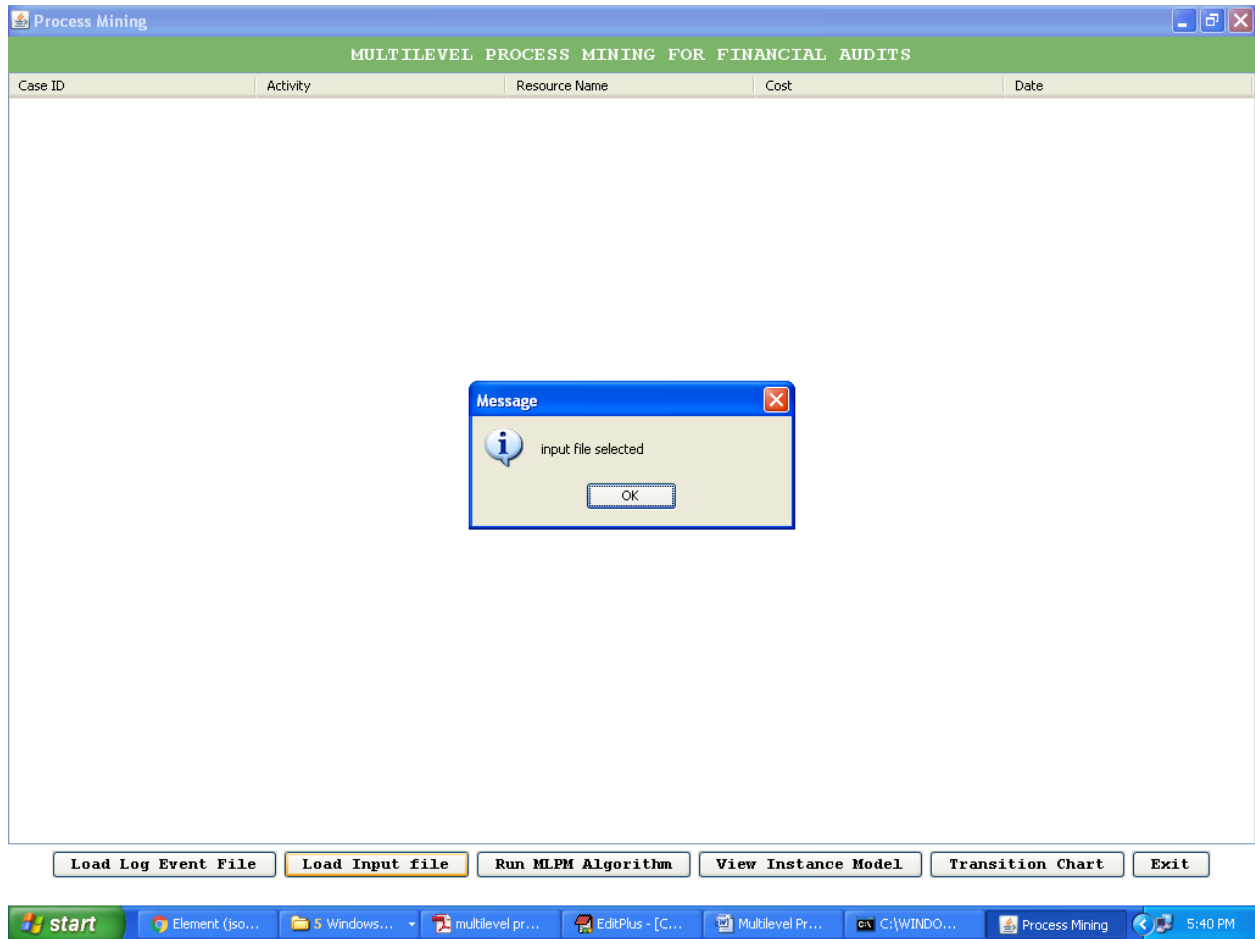
First load log file 'document_event_log.txt'





Now load input xml file 'journal_entry'





Now run MLPM Algorithm

Process Mining

MULTILEVEL PROCESS MINING FOR FINANCIAL AUDITS

Case ID	Activity	Resource Name	Cost	Date
1	register request	Pete	50	2010-12-30 11:02:00
1	examine thoroughly	Sue	400	2010-12-31 10:06:00
1	check ticket	Mike	100	2011-01-05 15:12:00
1	decide	Sara	200	2011-01-06 11:18:00
1	reject request	Pete	200	2011-01-07 14:24:00
2	register request	Mike	50	2010-12-30 11:32:00
2	check ticket	Mike	100	2010-12-30 12:12:00
2	examine casually	Sean	400	2010-12-30 14:16:00
2	decide	Sara	200	2011-01-05 11:22:00
2	pay compensation	Ellen	200	2011-01-08 12:05:00
3	register request	Pete	50	2010-12-30 14:32:00
3	examine casually	Mike	400	2010-12-30 15:06:00
3	check ticket	Ellen	100	2010-12-30 16:34:00
3	decide	Sara	200	2011-01-06 09:18:00
3	reinitiate request	Sara	200	2011-01-06 12:18:00
3	examine thoroughly	Sean	400	2011-01-06 13:06:00
3	check ticket	Ellen	100	2010-12-30 16:34:00
3	decide	Sara	200	2011-01-06 09:18:00

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Further Details Contact: A Vinay 9030333433, 08772261612

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Process Mining

MULTILEVEL PROCESS MINING FOR FINANCIAL AUDITS

Case ID	Activity	Resource Name	Cost	Date
3	decide	Sara	200	2011-01-06 09:18:00
3	reinitiate request	Sara	200	2011-01-06 12:18:00
3	examine thoroughly	Sean	400	2011-01-06 13:06:00
3	check ticket	Ellen	100	2010-12-30 16:34:00
3	decide	Sara	200	2011-01-06 09:18:00
3	reinitiate request	Sara	200	2011-01-06 12:18:00
4	register request	Pete	50	2011-01-06 15:02:00
4	check ticket	Mike	100	2011-01-07 12:06:00
4	examine thoroughly	Sean	400	2011-01-08 14:43:00
4	decide	Sara	200	2011-01-09 12:02:00
4	reject request	Ellen	200	2011-01-12 15:44:00
5	register request	Ellen	50	2011-01-06 09:02:00
5	examine casually	Mike	400	2011-01-07 10:16:00
5	check ticket	Pete	100	2011-01-08 11:22:00
5	decide	Sara	200	2011-01-10 13:28:00
5	reinitiate request	Sara	200	2011-01-11 16:18:00
5	check ticket	Pete	100	2011-01-08 11:22:00
5	examine casually	Mike	400	2011-01-07 10:16:00

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MULTILEVEL PROCESS MINING FOR FINANCIAL AUDITS				
Case ID	Activity	Resource Name	Cost	Date
5	register request	Ellen	50	2011-01-06 09:02:00
5	examine casually	Mike	400	2011-01-07 10:16:00
5	check ticket	Pete	100	2011-01-08 11:22:00
5	decide	Sara	200	2011-01-10 13:28:00
5	reinitiate request	Sara	200	2011-01-11 16:18:00
5	check ticket	Pete	100	2011-01-08 11:22:00
5	examine casually	Mike	400	2011-01-07 10:16:00
5	decide	Sara	200	2011-01-10 13:28:00
5	reinitiate request	Sara	200	2011-01-11 16:18:00
5	examine casually	Mike	400	2011-01-07 10:16:00
5	check ticket	Pete	100	2011-01-08 11:22:00
5	decide	Sara	200	2011-01-10 13:28:00
5	reject request	Mike	200	2011-01-24 14:56:00
6	register request	Mike	50	2011-01-06 15:02:00
6	examine casually	Ellen	400	2011-01-06 16:06:00
6	check ticket	Mike	100	2011-01-07 16:22:00
6	decide	Sara	200	2011-01-07 16:52:00
6	pay compensation	Mike	200	2011-01-16 11:47:00

In above screen case id is the id of the case and activity is the task name and resource is the name of a person who is handling this activity and cost is the charge of that activity at given date.

So from xml we read and merge all data

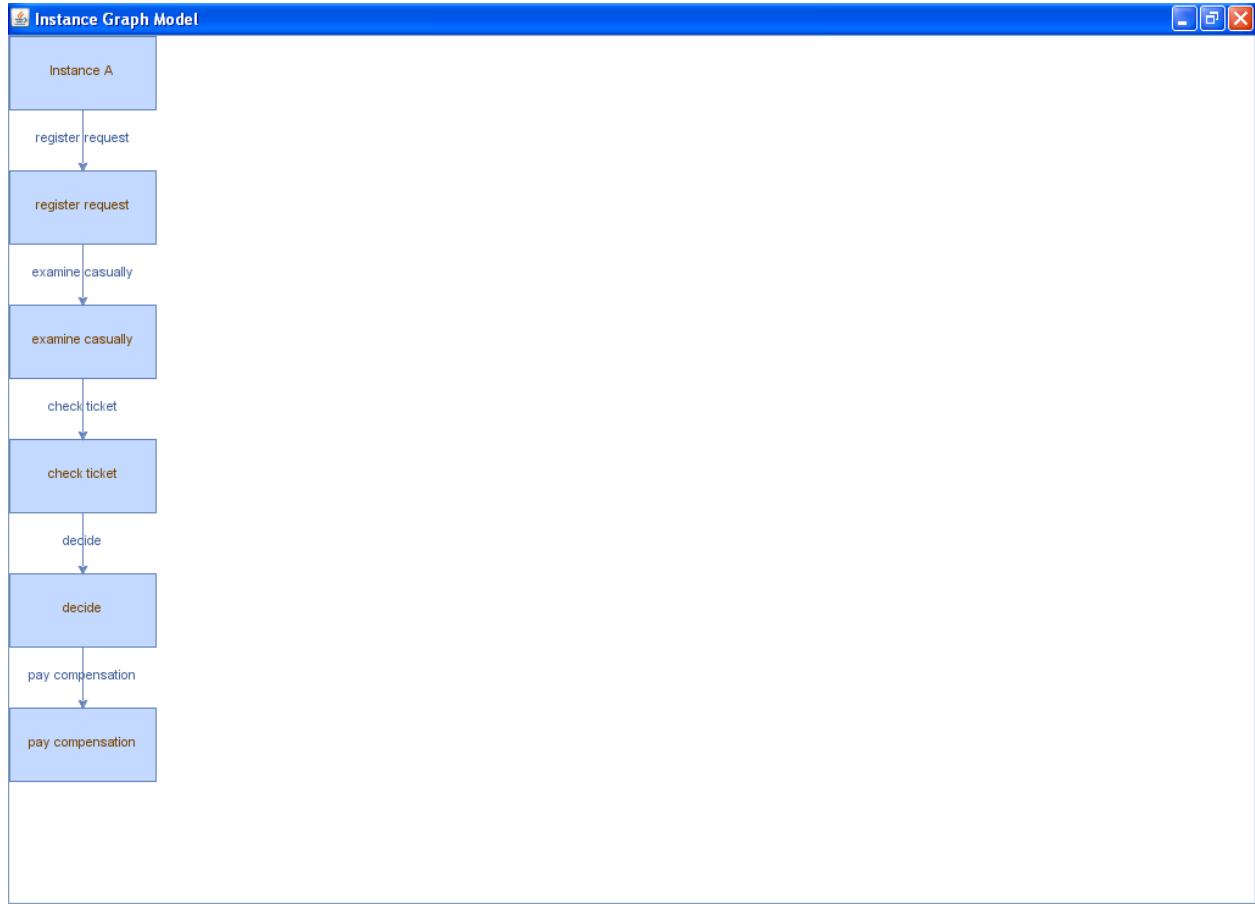
Now view instance model in graph. First select any row from table and click on 'View Instance Model' button. Like below screen

Process Mining

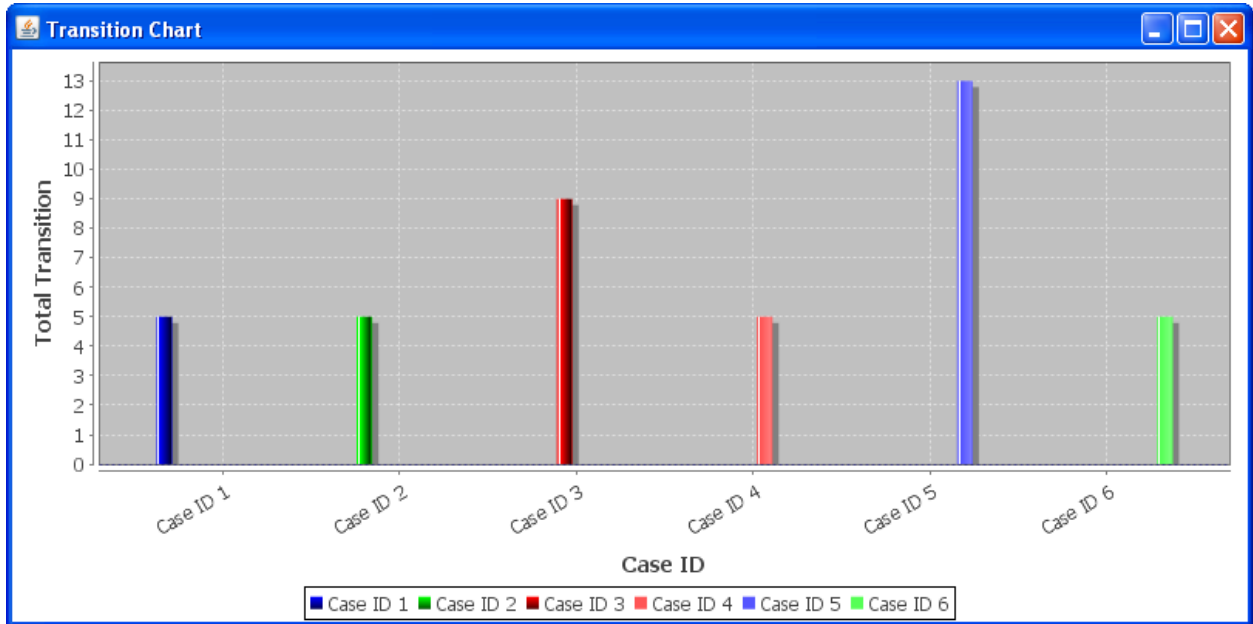
MULTILEVEL PROCESS MINING FOR FINANCIAL AUDITS

Case ID	Activity	Resource Name	Cost	Date
5	register request	Ellen	50	2011-01-06 09:02:00
5	examine casually	Mike	400	2011-01-07 10:16:00
5	check ticket	Pete	100	2011-01-08 11:22:00
5	decide	Sara	200	2011-01-10 13:28:00
5	reinitiate request	Sara	200	2011-01-11 16:18:00
5	check ticket	Pete	100	2011-01-08 11:22:00
5	examine casually	Mike	400	2011-01-07 10:16:00
5	decide	Sara	200	2011-01-10 13:28:00
5	reinitiate request	Sara	200	2011-01-11 16:18:00
5	examine casually	Mike	400	2011-01-07 10:16:00
5	check ticket	Pete	100	2011-01-08 11:22:00
5	decide	Sara	200	2011-01-10 13:28:00
5	reject request	Mike	200	2011-01-24 14:56:00
6	register request	Mike	50	2011-01-06 15:02:00
6	examine casually	Ellen	400	2011-01-06 16:06:00
6	check ticket	Mike	100	2011-01-07 16:22:00
6	decide	Sara	200	2011-01-07 16:52:00
6	pay compensation	Mike	200	2011-01-16 11:47:00

After selection click on 'View Instance Model' button to get below screen



Transition chart



In chart we r showing each case is performing how many activities to complete transition