Table 1

User Profile Insertion Hash Table		User Profile Insertion Linked List		User Profile Search Hash Table		User Profile Search Linked List		Trail Data Insertion Tree Map		Trail Data Insertion Linked List		Trail Data Search TreeMap		Trail Data Search Linked List			
Sample Size	Average Time(Milliseconds)	Sample Size	Average Time(Milliseconds)	Sample Size	Average Time(nanoseconds)	Sample Size	Average Time(nanoseconds)	Sample Size	Average Time(milliseconds)	Sample Size	Average Time(milliseconds)	Sample Size	Average Time(milliseconds)	Sample Size	Average Time(milliseconds)		
10	0.2	10	0	10	7185	10	15312	10	0.8	10	0	10	2	10	0		
100	0.4	100	0.2	100	8154	100	50057	100	0.8	100	0	100	2	100	0		
1000	1.2	1000	0.4	1000	4078	1000	811791	1000	2.4	1000	0.4	1000	2.6	1000	1		
5000	3.2	5000	1	5000	5303	5000	9085751	5000	7.2	5000	1	5000	3	5000	17.2		
10000	4.4	10000	1	10000	5401	10000	67806630	10000	9.8	10000	1.2	10000	4	10000	56.8		
25000	14.2	25000	3.8	25000	7096	25000	107316720	25000	20	25000	18	25000	7	25000	1124		
50000	24	50000	7	50000	8610	50000	550418541	50000	30	50000	7	50000	11	50000	964