PROJECT DEVELOPMENT PHASE
Sprint 2
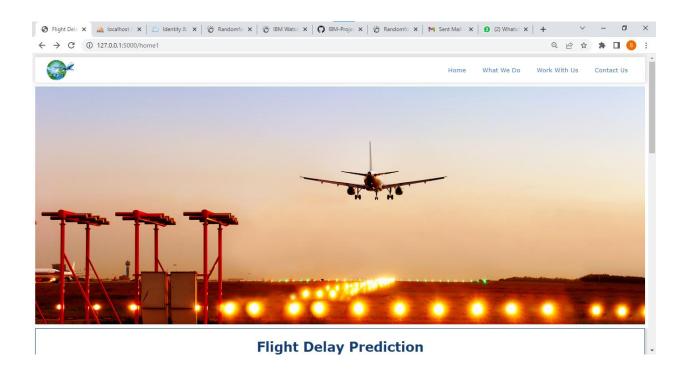
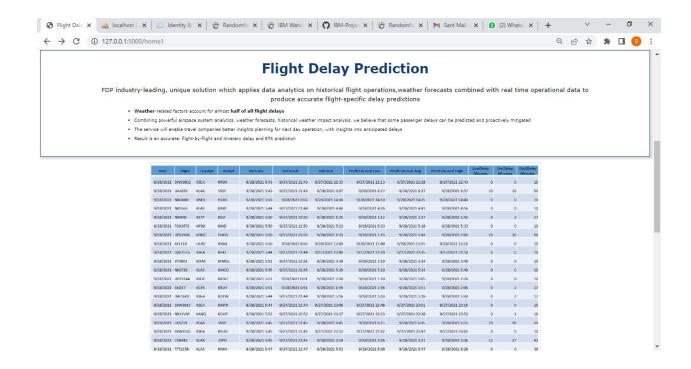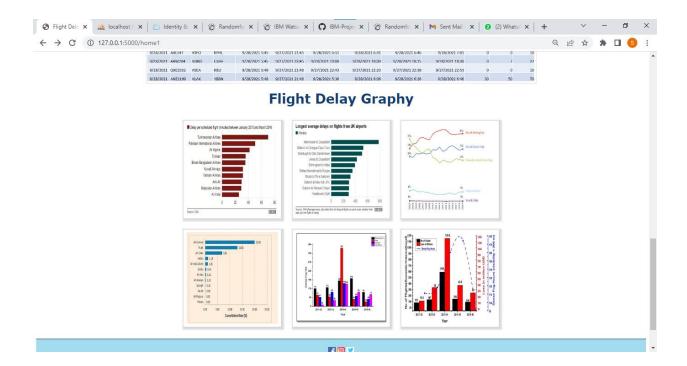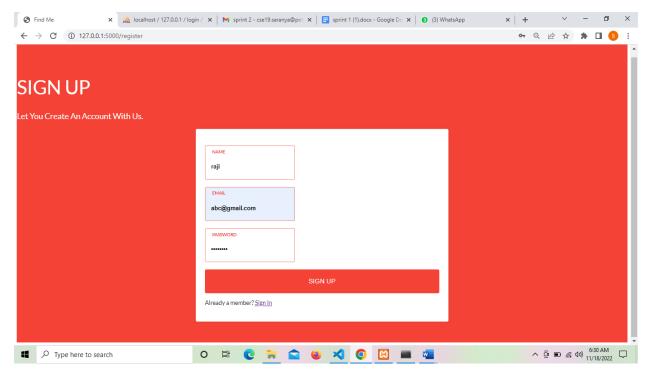| Date	18-Nov-22
Team ID	PNTIBM2022TMID52214
Project Name	Developing a Flight Delay Prediction Model Using Machine Learning
Maximum Marks	8 marks

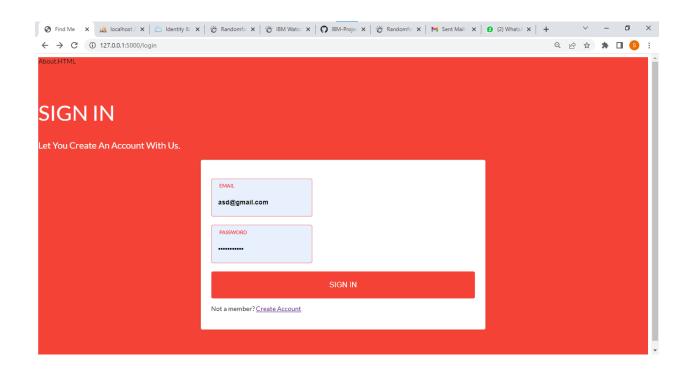## Test case in prediction:

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Flight Delay Prediction

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Flight Delay Prediction

FDP industry-leading, unique solution which applies data analytics on historical flight operations,weather forecasts combined with real time operational data to produce accurate flight-specific delay predictions

- **Weather**-related factors account for almost **half of all flight delays**
- Combining powerful airspace system analytics, weather forecasts, historical weather impact analysis, we believe that some passenger delays can be predicted and proactively mitigated
- The service will enable travel companies better insights planning for next day operation, with insights into anticipated delays
- Result is an accurate, flight-by-flight and itinerary delay and ETA prediction

Date	Flight	DepApt	ArrApt	S60Zulu	S60Local	S6ILocal	Predict1ALocal Low	Predict1ALocal Avg	Predict1ALocal High	LowDelay Minutes	AvgDelay Minutes	HighDelay Minutes
9/28/2021	SKW3802	KSEA	KPDX	9/28/2021 5:43	9/27/2021 21:43	9/27/2021 22:33	9/27/2021 22:13	9/27/2021 22:28	9/27/2021 22:43	0	0	10
9/28/2021	UAL839	KLAX	YSSY	9/28/2021 5:43	9/27/2021 21:43	9/28/2021 6:07	9/28/2021 6:17	9/28/2021 6:37	9/28/2021 6:57	10	30	50
9/28/2021	N86MW	KSED	EDUS	9/28/2021 5:50	9/28/2021 0:50	9/28/2021 14:10	9/28/2021 14:10	9/28/2021 14:25	9/28/2021 14:40	0	0	10
9/28/2021	NKS566	KLAS	KIND	9/28/2021 5:44	9/27/2021 21:44	9/28/2021 4:46	9/28/2021 4:26	9/28/2021 4:41	9/28/2021 4:56	0	0	10
9/28/2021	N9WW	KSTP	KJEF	9/28/2021 5:50	9/27/2021 23:50	9/28/2021 1:25	9/28/2021 1:12	9/28/2021 1:27	9/28/2021 1:42	0	2	17
9/28/2021	FDX2672	KPDX	KIND	9/28/2021 5:50	9/27/2021 21:50	9/28/2021 5:23	9/28/2021 5:03	9/28/2021 5:18	9/28/2021 5:33	0	0	10
9/28/2021	UPS2968	KONT	PHOG	9/28/2021 5:50	9/27/2021 21:50	9/28/2021 1:13	9/28/2021 1:23	9/28/2021 1:43	9/28/2021 2:03	10	30	50
9/28/2021	AFL110	UUEE	KMIA	9/28/2021 5:50	9/28/2021 8:50	9/28/2021 12:00	9/28/2021 11:40	9/28/2021 11:55	9/28/2021 12:10	0	0	10
9/28/2021	QXE2516	KSEA	KEAT	9/28/2021 5:44	9/27/2021 21:44	9/27/2021 22:40	9/27/2021 22:20	9/27/2021 22:35	9/27/2021 22:50	0	0	10
9/28/2021	VOI903	KOAK	MMGL	9/28/2021 5:51	9/27/2021 21:51	9/28/2021 3:39	9/28/2021 3:19	9/28/2021 3:34	9/28/2021 3:49	0	0	10
9/28/2021	NKS726	KLAS	KMCO	9/28/2021 5:45	9/27/2021 21:45	9/28/2021 5:19	9/28/2021 5:19	9/28/2021 5:34	9/28/2021 5:49	0	0	10
9/28/2021	UPS1744	KSDF	KRDU	9/28/2021 5:53	9/28/2021 0:51	9/28/2021 2:10	9/28/2021 1:50	9/28/2021 2:05	9/28/2021 2:20	0	0	10
9/28/2021	SKQ57	KCPX	KBUY	9/28/2021 5:51	9/28/2021 0:51	9/28/2021 1:49	9/28/2021 1:36	9/28/2021 1:51	9/28/2021 2:06	0	2	17
9/28/2021	DAL3602	KSEA	KDTW	9/28/2021 5:44	9/27/2021 21:44	9/28/2021 5:16	9/28/2021 5:03	9/28/2021 5:18	9/28/2021 5:33	0	2	17
9/28/2021	SKW3917	KSEA	KMTR	9/28/2021 5:44	9/27/2021 21:44	9/27/2021 23:06	9/27/2021 22:46	9/27/2021 23:01	9/27/2021 23:16	0	0	10
9/28/2021	N911VM	KABQ	KGUP	9/28/2021 5:52	9/27/2021 22:52	9/27/2021 23:37	9/27/2021 23:23	9/27/2021 23:38	9/27/2021 23:53	0	1	16
9/28/2021	CKS259	KLAX	YSSY	9/28/2021 5:45	9/27/2021 21:45	9/28/2021 6:05	9/28/2021 6:15	9/28/2021 6:35	9/28/2021 6:55	10	30	50
9/28/2021	SKW3565	KSEA	KEUG	9/28/2021 5:45	9/27/2021 21:45	9/27/2021 22:52	9/27/2021 22:32	9/27/2021 22:47	9/27/2021 23:02	0	0	10
9/28/2021	CSN442	KLAX	ZSPD	9/28/2021 5:45	9/27/2021 21:45	9/28/2021 2:54	9/28/2021 3:06	9/28/2021 3:21	9/28/2021 3:36	12	27	42
9/28/2021	FFT2158	KLAS	KMIA	9/28/2021 5:47	9/27/2021 21:47	9/28/2021 5:52	9/28/2021 5:06	9/28/2021 5:47	9/28/2021 6:28	0	0	36

Flight Delay Graphy

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PASSWORD
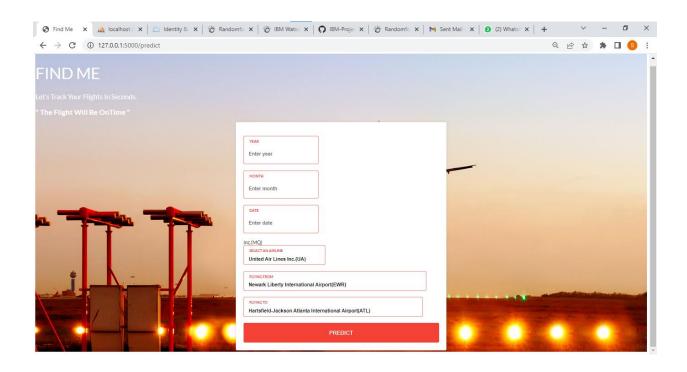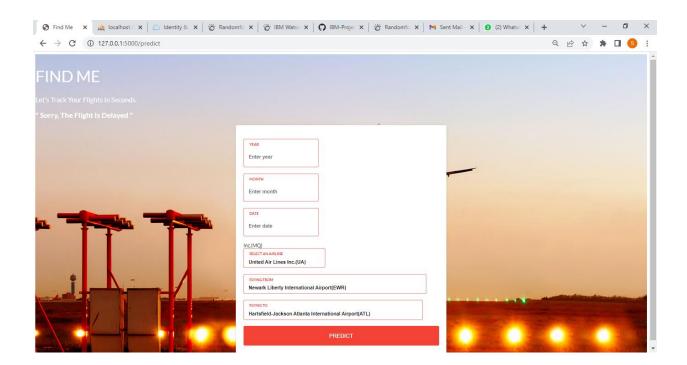••••••••

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