SESSION-4

F.Y.A

TEAM MEMBERS:

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PROJECT PLAN:

F.Y.A is a user-friendly flight tracking service which makes the overall flying experience much better.
Our aim is to provide a one stop solution to all your flights related queries and factoids.

- The server aims at providing a concentrated service amidst a sea of different apps and websites to help keep track of flights for the added security of their kin, goods or even themselves and avoid confusion, especially to provide a better detailed travel during the unusual times of this pandemic.
- It majorly targets the businessmen, university students, influencers, public figures, basically audiences which require frequent travel. Besides this, airlines can push sales and services by keeping this as an added feature.
- The marketing strategy we are implying is promotion through social media platforms like Instagram, Facebook and Twitter. We can also promote using Google and YouTube advertisements, banners and posters outside airports and travel agencies

COCOMO:

Number of user inputs = 26 (AVG)
Number of user outputs = 50 (SIMPLE)
Number of inquiries = 8 (COMPLEX)
Number of files = 4 (AVG)
Number of external interfaces = 2 (SIMPLE)
Effort = 4.969 p-m
Technical documents = 25 pages
User documents = 10 pages
Cost = $4000/ month
Various processing complexity factors are: 4, 1, 0, 3, 3, 5, 4, 4, 3, 3, 2, 2, 4, 5.
$\sum f_i = 43$

Measurement Parameter	Count		Weighing factor
1. Number of external inputs (EI)	30	*	5 = 150
2. Number of external outputs (EO)	48	*	4 = 192

3. Number of external inquiries (EQ)	5	*	6 = 30
4. Number of internal files (ILF)	8	*	10 = 80
5. Number of external interfaces (EIF)	2	*	5=10
Count-total →			462

EFFORTS AND COST ESTIMATION:

FP=462[0.65+0.01*43]
   =462*1.08
   =498.96
Size=2KLOC
a=2.4
b=1.05
c=2.5
d=0.38
Effort=$a*(KLOC)^b$
      =$2.4*(2)^{1.05}$
      =4.969pm
Development time=$C*(Effort)^d$
                =$2.5*(4.969)^{0.38}$
                =4.5976 months
Productivity=KLOC/Effort=2/4.969=0.4024
Staff size=Effort/Dev time=4.969/4.597=1.080
Productivity=FP/Effort=498.96/4.5976=108.5261
Cost per function=Cost/Productivity=4000/108.52=36.86

ROLES AND RESPONSIBILITIES:

- Project Sponsor: Aditi Gaikwad-Venture capitalist,
- Subject matter expert: Montserrat Barriga, Director General, ERA
- Product owner: Thomas Reynaert, A4E
- Project Manager: Julie Lassaigne, ETRC
- Technical lead: Prachi Pandit
- Software developers: G. Avinashh, Aniket Mishra
- Software testers: Prachi Pandit, G. Avinashh, Aniket Mishra
- User acceptance testers: Anish Kolluru Nair, Insha Ashfaq, Jaadu Mehra, Chandrayan Marandi, Rahul Bua, Suhana Mau Sam, Champarani Meenalochini, Churchill Airfry, Lucifer Evemoon, Lena Da'eul, Johnny Gudeeds, Lora La'Soon, Ram Mohammed Peter Singh.