

**Title: Calculation of the size of web app
www.habibindustry.com in Functional Point (FP)
using IFPUG and COSMIC**

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COSMIC FP calculating:

Process	Sub process	Data Group (DG)	DM	CFP
1.Create a new user in the database	The user enters his data and presses OK	Customer	E	1
	The customer data is stored in the database	Customer	W	1
	Confirmation or error message	Software Messages	X	1
2.Verify if the customer exists in the database	The users enters the his data and presses OK	Customer	E	1
	The system retrieves the existing customers from the database to verify if John Smith already exists as customer	Customer	R	1
	A confirmation message OR an error message (if the customer already exists)	Software Messages	X	1
3. Adding media	Admin adds photo, paragraph of desired products	Admin	E	1
	The data is	AdminW		1

	stored in the database.			
	A confirmation message OR an error message (if the customer already exists)	Software Messages	X	1
4.Display Media	The users request to see the media files of desired product	User	E	1
	The System looks for the media	Software	R	1
	The media is displayed to customer	Software	X	1
5. Changing interface language: English and Bangla	Customer or user press a button and then the background language will be changed.	Customer	E	1
6. Chat System	A peer to peer system among customer and admins about any kind of queries.	Customer	E	1
	Customer will in return get a reply from admin	Customer	X	1
7.Payment System	Customer will give his electronic card id for his	Customer E		1

	payment			
	System will check if the entry card is valid and send a message of success or error	System	X	1
7.Backup Data	Admins will backup current data to another data center.	Admin	E	1
8.Skype Extension	Customer will click a button a it will connect to admin via Skype.	Customer	E	1
	System will establish the connection	Customer	X	1
9.Add admin	Mr. Habib will able to add admin	Mr. Habib	E	1

So total CFP is = 21

IFPUG calculation :

BFC type:

- External Input:

- * add New Customer
- * change interface
- * Search for media
- * Chat writing
- * Skype extension press
- * Backup Data
- * Add admin

-External inquiry:

- Verify the customer data

-Internal Logical file:

- Customer data file

-External Interface file:

- None

-External Outputs:

- Display Warning message
- Display Media

BFC Types	#FTR	#RET	#Field	#DET	#Complexity	Score
1.Add new customer	1	-	Name, Address, Job, Picture, Mobile, Number, Email, Password, Enter	9	L	3
2.Use Login	1	-	Email, Password, Enter	3	L	3
3.Search for media	1	-	Name of the machine or limestone, Enter	2	L	3
4.Display Warning message of not registered member	1	-	-	4	L	4
5.Payment	1	-	Electronic money card number and pin ,Enter	3	L	3
6.Chat	1	-	Open chat box, write, Enter	3	L	3
7.Change Interface	1	-	Clicking one button	1	L	3
8.Data backup	1	-	Clicking one button to backup all customer data	1	L	3
9.Customer File verification	-	1		12	L	7
10.Add Admin	1	-	Add email, password of that admin and Enter	3	L	3

Total IFPUG =

$$= 3+3+3+4+3+3+3+3+7+3=35$$