Use Case	Input			
	name	Type	Count	Operation Method
1. checks account balance	Card Number	String	1	single value
	Password	String	1	
	option	char	1	
2. withdraws money	Card Number	String	1	single value
	Paasword	String	1	
	option	char	1	
3. logs into email account	Email	string	1	single value
	Password	string	1	
4. uploads a photo to a social media profile	image	string	Array	multiple value
5. plays a music file using a music player	audio	string	Array	multiple value
6. sets a reminder on a smartphone	Description	string	list	multiple value
	time	string		
	reminder notification	string		
7. books a movie ticket online	name of movie	string	list	multiple value
	time			
	number of ticket			
	number of chair			
	payment			
8. searches for a recipe on a cooking app	recipe food	string	array	multiple value
9. uploads multiple images to generate a slideshow video	uploades multiple images	string	1	single value

Task	Field	Type	Count	Value
10. places an online food delivery order	restaurant name	string	Array	multiple value
	order details		list	
	delivery details		list	
	payment way	bool	1	single value
11. schedules an appointment with a doctor through a health portal	login	string	1	single value
	time	string	1	single value
12. creates an event and invites friends on a calendar app	Description message	string	1	single value
	Time	string		
	choose friends	bool		
13. applies for a loan via online banking	Card Number	string	1	single value
	Paasword	string		
	option	char		
14. registers and enrolls in a university course	choose course	string	1	single value
	time	string		
15. customizes and purchases a T-shirt from an online store	login	string	list	multiple value
	option	string	1	
	payment	string	1	

16. installs software using a package manager	choose software	string	1	single value
17. reports a bug on a project management platform	login	string	1	single value
	issue			
	submit the report			
18. uploads a resume and receives job recommendations	login	string	1	multiple value
	uploades resume	string	1	
	job registration	string	list	
19. submits tax forms online and gets real-time calculations	login	string	list	multiple value
	Income Information	string	list	
	Tax Payments	double	1	
20. uses a smart thermostat to schedule home temperature	preferred temperature range	int	1	single value
21. trains a custom AI model on uploaded data	Data Preparation Training	string	1	single value
	Evaluation	char	list	multiple value
22. tracks fitness data and gets personalized workout suggestions	registration information	String	1	single value
23. reserves a hotel room, flights, and car rental in one session	login	string	1	single value
	option	char		
	message	string		
24. uses a banking app to	login	string	1	single value

24. uses a banking app to transfer funds with currency conversion	option	char	list	multiple value
	transfer	double	1	single value
25. completes a full patient intake process online before a hospital visit	personal information	string	list	multiple value
	Medical History and Insurance Information	string	1	single value
	payment	string	1	multiple value

| Validation | Conversion | Name | Output | | | Process |
			Type	Count		Single / multiple tasks
16 char, not null, numbers only		amount	double			
4 char	no	Access	bool	1		multiple
within choices		choices	double			
16 char, not null, numbers only		amount	double			
4 char	no	Access	bool	1		multiple
within choices		choices	double			
char and number		Access	bool			
char and number	no	Access	bool	1		multiple
image and description	yes	uploads a photo	string	1		multiple
music and description	yes	plays a music file	string	1		multiple
char		message	string			
number	no	time	date time	1		multiple
char		reminder notification	string			
char		movie name	string			
within choices		choices	date time			
number	no	number	double	1		multiple
within choices		choices	double			
card number		pay	double			
char	no	name of recipe food	string	1		single
image	yes	slideshow video	string	1		multiple

choices name of restaurant or write the name	no	show menu	string	1	multiple
choose the food and quantity	yes	bill	string	1	multiple
location	yes	bill	string		single
pay cash or by card	no	choices	double	1	single
name, password	no	Login	string	1	multiple
time and date	no	time	date time	1	multiple
char	no	message	string	1	multiple
time and date		time	date time		
within choices		choices	bool		
16 char, not null, numbers only	no	amount	double	1	multiple
4 char		access	bool		
within choices		choices	double		
within choices	no	choices	bool	1	multiple
char and number	no	Access	bool	1	multiple
within choices		choices	bool		
card number		pay	double		

choices	no	choice	string	1	multiple
char and number	no	Access	string	1	multiple
char		Issue			
char		message			
name, password	no	login	string	1	multiple
pdf, image	yes	image	string		
option chooses job	no	choices	string		
name, address, date of bearth	no	Access	string	1	multiple
salary, wages, dividends, interest		Information	string		
payment information		payment	double		
temperature	no	Temperature	int	1	multiple
training data	no	Registration	string	1	multiple
graphs		Test	string		
information fitness, personal information	no	workout suggestions	string	1	multiple
name, password	no	login	string	1	multiple
within choices	yes	choice	double		
	no				
name, password	no	login	string		

number	yes	choice	string	1	multiple
char	no				
name, date of birth, address		Access	string		
char	no	History	string	1	multiple
card number		pay	double		

Task (function)			
Name	Input	Output Name	Outputtype
checkCardValidity	Card Number and password	ValidFlag	bool
CheckBalance	Card Number	amount	double
checkCardValidity	Card Number and password	ValidFlag	bool
CheckBalance	Card Number	amount	double
withdraws money	number of withdraws	amount of withdraws money	double
checkEmailValidity	email and password	ValidFlag	bool
Check password	password	Authentication	bool
checkImageFile	name of image file	Image	string
ConvertImageToString			
checkMusicFile	name of music file	music	string
ConvertImageToString			
RiminderDescription	message		string
CheckDateTime	time	ValidTime	time
ReminderNotification		Notification	string
CheckName	Name of movie	ValidFlag	bool
DateTime	shoose time		time
NumberOfTicket	number		int
NumberOfChair	number		int
checkCard	Card Number	amount	double
RecipeFood	name of recipe food	description	string
UploadesImages	images	vedio	string

CheckNameOfRestaurant	name of restaurant	validFlag	string
CheckFoodAndQuantity	order details	bill	string
Location		link of location	string
PaymentValidition	way of pay	amount	double
CheckAccountValidity	account name and password	validFlag	bool
checkDateTime	booking time	confirm message	string
EventDescription			string
DateTime	choose event time	event time	time
ChooseFriend	choose friends	send message	string
checkCardValidity	Card Number and password	ValidFlag	bool
CheckBalance	Card Number	amount	double
CheckBalancel	number of icom money	amount	double
CheckRigister	Course name	validFlag	string
CheckTime	time	registers time	time
CheckValidity	email and password	Validflag	bool
ChooseTShirt	choose T-Shirt	confirm order	string
CheckCard	card number	comfirm pay	double

InastallSoftware	check packege validity	downloads	bool
CheckValidity	Email and Password	Validflag	bool
Report	message		bool
Send	Send report message	confirm message	string
CheckAccountValidity	account name and password	ValidFlag	bool
uploades	pdf, image	uploded	bool
ChooseJob	choose	confirm message	string
Login	personal information	VlidFlag	string
TaxForms	salary information	Tax rate	string
CheckCard	card number	confirm message	string
Temperature	set the desired temperature	validFlag	double
Registration	Data proparation	ValidFlag	string
Training	Model Selection	Saving the Model	string
WorkoutSuggestions	personal information	gets personalized workout suggestions	string
CheckAcountValidity	account name and password	ValidFlag	bool
ChooseOption	eserves a hotel room, flight, ca		
Confirm		confirm message	string
CheckAcountValidity	account name and password	ValidFlag	bool

ChooseOption	Transfer funds	amount	bool
send		confirm	bool
PersonalInformation	check Personal information	ValidFlag	string
CheckCard	payment comfirmation	confirm message	bool