Caption	Field Name	Data Type	Size	TblClient (MySql)	Mandatory ?
AmiAgi Logo	AmiAgiLogo	BLOB		Logo to be used on screen and forms	REQUIRED
Company Logo	CoLogo	BLOB		This is the company logo that is used on the UI, forms	REQUIRED
Company Name	CompanyName	VARCHAR	45	The client name that is used on the UI, on forms, reports etc	REQUIRED
	CoNameFont	VARCHAR	30	This field indicates the font for company name	REQUIRED
	CoNameSize	INT	2	This field indicates the font size for co name	REQUIRED
	CoNameColour	VARCHAR	20	This field indicates the colour in which the company name is to be printed (Provide colour picker in UI)	REQUIRED
Company Quote	CoQuote	VARCHAR	60	Slogan	REQUIRED
	CoQuoteFont	VARCHAR	30	This field indicates the font in which the company name is to be printed	REQUIRED
	CoQuoteSize	INT	2	This field indicates the font size in which the company name is to be printed	REQUIRED
	CoFontColour	VARCHAR	20	This field indicates the colour in which the company name is to be printed (Provide colour picker in UI)	REQUIRED
Background pictures for the login page and the 3 landing pages	LoginBackground	BLOB		Hi definition picture	REQUIRED
	CrewBackground	BLOB		Hi definition picture	REQUIRED
	ManagerBackground	BLOB		Hi definition picture	REQUIRED
	TrainingBackground	BLOB		Hi definition picture	REQUIRED
FORM/ PDF/ PRINT Header information	Department	VARCHAR	60	Information for Ui / form / printout / PDF header	REQUIRED
	HeaderRH1	VARCHAR	10	Information for Ui / form / printout / PDF header	REQUIRED
	HeaderRH2	VARCHAR	10	Information for Ui / form / printout / PDF header	REQUIRED
	HeaderRH3	VARCHAR	10	Information for Ui / form / printout / PDF header	REQUIRED
	CrewDash1	VARCHAR	15		REQUIRED

Commented [Dev4]: Name of the MySql table in AMIAGIV2 DB

Commented [Dev1]: Name of the field

Commented [Dev2]: Data type as defined in the table

Commented [Dev3]: Field size as defined in the table

Commented [Dev5]: Is this field required mandatorily ? (as defined in the talbe)

Dashboard for Crew Landing Page	CrewDash2	VARCHAR	15		REQUIRED
	CrewDash3	VARCHAR	15		REQUIRED
	CrewDash4	VARCHAR	15		REQUIRED
Dashboard for Training Landing Page	TrgDash1	VARCHAR	15		REQUIRED
	TrgDash2	VARCHAR	15		REQUIRED
	TrgDash3	VARCHAR	15		REQUIRED
	TrgDash4	VARCHAR	15		REQUIRED
Dashboard for Manager Landing Page	MgrDash1	VARCHAR	15		REQUIRED
	MgrDash2	VARCHAR	15		REQUIRED
	MgrDash3	VARCHAR	15		REQUIRED
	MgrDash4	VARCHAR	15		REQUIRED
	MgrDash5	VARCHAR	15		REQUIRED
Email User Name	EmailUser	VARCHAR	80	Email ID for sending auto emails from the application	REQUIRED
Password	EmailPass	Password	20	Encrypt to store, show password field in UI	REQUIRED
Incoming server	IncomeServer	VARCHAR	80		REQUIRED
Outgoing server	OutgoingServer	VARCHAR	80		REQUIRED
Incoming Server Type	IncomingSerType	VARCHAR	15		REQUIRED
Incoming Server IMAP	IMAP	VARCHAR	80		REQUIRED
Incoming Server POP3	POP3	VARCHAR	80		REQUIRED
Outgoing Server SMTP	SMTP	VARCHAR	80		REQUIRED
Out Server Authentication	OutSerAuthenticate	VARCHAR	3		REQUIRED
Out Server SPA	OutSerSPA	VARCHAR	15		REQUIRED

DESIGN:

** This table will contain only one record which stores details of the client and website. These details are required for the login page, landing pages and other pages.

** This table is modifiable only by the super user who has access to the DATAADMIN main menu

** On creating the table- Add test values to the table in order to test the working.

** In order to edit the table – user goes to DatAdmin MAIN-MENU and "Manage Client" SUB-MENU

Page: UiManageClient	**Button:**	**UPDATE & EXIT**	**DISCARD & EXIT**	
Screen Title: MANAGE CLIENT	**Email:**	amiagi.atms@gmail.com	**NO**	
Title in PDF/Print: Client on Record	**PDF:**	**yes & attach**	**NO**	
MENU: DataAdmin : Manage Client	**Print:**	**Show print? window**	**NO**	
Deny access if session AECODE = NO in TBLAUTHORISATIONS: DataAdmin	**Update:**	**TblCompany**	**NO**	
Allow access if session AECODE = YES in TBLAUTHORISATIONS: DataAdmin	**Exit:**	**Show Print? Window, Print if yes, exit to main menu**	**NO**	

Commented [Dev6]: Name of the page

Commented [Dev7]: BUTTON – UPDATE AND EXIT – WHAT happens when this button is pressed:
Email is sent to amiagi.atms@gmail.com notifying that the table has been modified, listing the contents of the table in list view.
PDF: is created and the user is prompted to store the same.
PRINT 'Do you want to print this record ?' window opens and user has the choice to print the record (PDF that was created is printed)
UPDATE: TBLCLIENT is updated with the values entered by the user
EXIT The page is removed – exit to main menu

Commented [Dev8]: When this BUTTON is pressed – discard changes, close page and return to main menu.

Commented [Dev9]: Name of the screen as seen by the user when this page is called

Commented [Dev10]: Title of the PDF / printout / email (IF REQUESTED BY USER) when record is modified.

Commented [Dev11]: Location of this page – DataAdmin MIN-MENU, Manage Client SUB-MENU

Commented [Dev12]: Secondary authentication. Before loading this page check user Email ID (stored as variable during login) n the authorisation table. Show page only if DataAdmin = Yes for the current user. If not exit with window 'Access Denied !'

The following table provides;

** captions for the fields in the UI as seen by the user on the screen.

** Validation for the fields that are edited by the user in the UI

** Editable / non editable fields of the UI

** Weather the field can remain blank in the UI

** Caption for the fields in the printout / pdf

#	Screen caption	Validation	Edit	Null	Default Value	PDF/Print Caption
1	Insert AmiAgi Logo	BLOB	Yes	No	Show the default values in TblClient & Show preview of all BLOBs	AmiAgi Logo
2	Insert Client Logo	BLOB	Yes	No		Client Logo
3	Insert Client Name	Varchar45	Yes	No		Client Name
4	Insert Client Name Font	Varchar45	Yes	No		Client Name Font
5	Insert Client Name Font Size	INT 3	Yes	No		Client Font Size
6	Insert Client Name Font Colour	Colour Picker	Yes	No		Client Font Colour
7	Insert Client Quote / Slogan	Varchar6	Yes	No		Client Quote/Slogan
8	Insert Client Department Name	Varchar60	Yes	No		Client Department
9	Insert Slogan Font Name	Varchar30	Yes	No		Slogan Font Name
10	Insert Slogan Font Size	INT 2	Yes	No		Slogan Font Size
11	Insert Slogan Font Colour	Colour Picker	Yes	No		Slogan Font Colour
12	Insert Login Page Picture	BLOB	Yes	No		Login background
13	Insert Manager Page Picture	BLOB	Yes	No		Manager background
14	Insert Training Page Picture	BLOB	Yes	No		Training background
15	Insert RH Box Line1	Varchar10	Yes	No		Header RH Line1
16	Insert RH Box Line2	Varchar10	Yes	No		Header RH Line2
17	Insert RH Box Line3	Varchar10	Yes	No		Header RH Line3
18	Email User Name	VARCHAR 80	Yes	No		Email User Name
19	Email Password	Password 20	Yes	No		Email Password
20	Incoming Server	VARCHAR 80	Yes	No		Incoming Server
21	Outgoing Server	VARCHAR 80	Yes	No		Outgoing Server
22	Incoming Server Type	VARCHAR 15	Yes	No		Incoming Server Type
23	Incoming Server IMAP	VARCHAR 80	Yes	No		Incoming Server IMAP
24	Incoming Server POP3	VARCHAR 80	Yes	No		Incoming Server POP3
25	Outgoing Server SMTP	VARCHAR 80	Yes	No		Outgoing Server SMTP
26	Out Server Authentication	VARCHAR 3	Yes	No		Out Server Authentication
27	Out Server SPA	VARCHAR 15	Yes	No		Out Server SPA
18	Button: Update And Exit					
19	Button: Discard And Exit					

*Some fields are missing ? Provide all fields that are in the table in the UI *** START UiManageClient*

Commented [Dev13]: Caption as seen by the user on the screen

Commented [Dev14]: Data type validation

Commented [Dev15]: Does the user have authority to edit this field ?

Commented [Dev16]: Can this field be blank ?

Commented [Dev17]: When this page is called, what value should appear against each caption

MANAGE CLIENT

Upload AmiAgi Logo	Upload Client Logo	Upload Login Background Picture

Upload Crew Background Picture	Upload Manager Background Picture	Upload Training Background Picture

Enter Client Name	Enter Client Name Font	Enter Font Size	Enter Font Colour

Enter Client Quote	Enter Client Name Font	Enter Font Size	Enter Font Colour

Enter Client Department Name	Enter Header RH Line 1	Enter Header RH Line 2	Enter Header RH Line 3

--CONTINUED IN NEXT PAGE (NOTE: BOTH PAGES ARE SHOWN ON ONE SCREEN)

Commented [Dev18]: Show Preview
TblClient:AmiAgiLogo
BLOB, required
Can be edited by the user

Commented [Dev19]: Show Preview TblCli
BLOB, required
Can be edited by the user

Commented [Dev20]: Show Preview:
TblClient:LoginBackground
BLOB, required
Can be edited by the user

Commented [Dev21]: Show Preview CrewBackground
BLOB, required

Commented [Dev22]: Show Preview
TbllClient:ManagerBackground

Commented [Dev23]: Show Preview
TblClient:TrainingBackground

Commented [Dev24]: Show Preview
TblClint:CompanyName

Commented [Dev25]: Show Preview
TblClint:CoNameFont

Commented [Dev26]: Show Preview
TblClint:CoNameSize

Commented [Dev27]: Show Preview
TblClint:CoNameColour

Commented [Dev28]: Show Preview TblClint:CoQuote
VARCHAR 60, required

Commented [Dev29]: Show Preview
TblClint:CoQuoteFont

Commented [Dev30]: Show Preview
TblClint:CoQuoteSize

Commented [Dev31]: Show Preview
TblClint:CoFontColour

Commented [Dev32]: Show Preview TblClint:Department
VARCHAR 60, required

Commented [Dev33]: Show Preview TblClint:HeaderRH1
VARCHAR 10, required

Commented [Dev34]: Show Preview TblClint:HeaderRH2
VARCHAR 10, required

Commented [Dev35]: Show Preview TblClint:HeaderRH3
VARCHAR 10, required

Enter Crew Dashboard Parameters			
-	-	-	-

Enter Training Dashboard Parameters			
-	-	-	-

Enter Manager Dashboard Parameters				
-	-	-	-	-

Enter the Email Server Details for Sending Mail from this application:				
Sender Email ID	**Sender Email Password**	**Incoming Email Server**	**Outgoing Email Server**	**Incoming Server Type**
-	[redacted]	-	-	-
IMAP	**POP3**	**SMTP**	**Out Server Authentication**	**Out Server SPA**
-	-	-	-	-

UPDATE & EXIT

DISCARD & EXIT

Commented [Dev36]: Show Preview TblClint:CrewDasj1
VARCHAR 15, required
Can be edited by the user

Commented [Dev37]: Show Preview TblClint:CrewDasj2
VARCHAR 15, required
Can be edited by the user

Commented [Dev38]: Show Preview TblClint:CrewDasj3
VARCHAR 15, required
Can be edited by the user

Commented [Dev39]: Show Preview TblClint:CrewDasj4
VARCHAR 15, required
Can be edited by the user

Commented [Dev40]: Show Preview
TblClint:TrainingDash1
VARCHAR 15, required
Can be edited by the user

Commented [Dev41]: Show Preview
TblClint:TrainingDash2
VARCHAR 15, required

Commented [Dev42]: Show Preview

Commented [Dev43]: Show Preview

Commented [Dev44]: Show Preview

Commented [Dev45]: Show Preview

Commented [Dev46]: Show Preview

Commented [Dev47]: Show Preview

Commented [Dev48]: Show Preview

Commented [Dev49]: Show Preview TblClint:EmailUse

Commented [Dev50]: Show Preview TblClint:EmailPass

Commented [Dev51]: Show Preview

Commented [Dev52]: Show Preview

Commented [Dev53]: Show Preview

Commented [Dev54]: Show Preview TblClint:IMAP

Commented [Dev55]: Show Preview TblClint:POP3

Commented [Dev56]: Show Preview TblClint:SMTP

Commented [Dev57]: Show Preview

Commented [Dev58]: Show Preview TblClint:OutSerSP

Caption	Field Name	Data Type	Size	TblAuthorisations (MySql)	Mandatory ?
Email	Email	email ID	50	Official Email ID of the user – that is used for login	**Primary Key**
Ecode	Ecode	INT	7	Employee Code of the user	Required
User Group	Crew	YES/NO	3	User Group	Required
	Manager	YES/NO	3	User Group	Required
	Ground	YES/NO	3	User Group	Required
	Simulator	YES/NO	3	User Group	Required
	Aircraft	YES/NO	3	User Group	Required
	Repository	YES/NO	3	User Group	Required
	DataAdmin	YES/NO	3	User Group	Required
Password	Password	Password	15	encrypted password contains at-least 8charecters of which at-least 1 cap, 1 small, 1 number and 1 special character. ***Default password for all records : Vti@123***	Required for DataAdmin **Optional for others (gmail login)**
Active	Active	YES/NO		Default is YES	Required
ResManager	ResManager	INT	7	Append ecode from Tblmanager	Required
UpdatedBy	UpdatedBy	INT	7	Auto-insert Session:Aecode	Required
UpdatedOn	UpdatedOn	VARCHAR	45	Auto-insert Date/Time Stamp	Required

Commented [Dev61]: Table Name

Commented [Dev59]: Create MySql table Table field name

Commented [Dev60]: Table data type

Commented [Dev62]: Table field criteria – is this field mandatorily required or is a blank field permitted

Page: UiManageAuthorisations	Button:	Add New Record	Edit Record	Print / Save Record
Screen Title: Manage Authorisations	Action: show→	UiAddAuthorisations	UiEditAuthorisations	UiViewAuthorisations
Title in PDF/Print: Manage Authorisations	PDF:			
DataAdmin:Manage Authorisations	Print:			
Deny access if session AECODE = NO in TBLAUTHORISATIONS:	Update:			
Allow access if session AECODE = YES in TBLAUTHORISATIONS:	Exit:			

Note: As soon as the UI is called, sort TblAuthrorisation → Email → Ascending BEFORE LOADING THE PAGE !

The following is UiManageAuthorisations.php

Commented [Dev63]: Name of the CRUD UI connected with the above table

Commented [Dev64]: BUTTON ACTIONS FOR 'ADD NEW RECORD'
Clear this UI/ page
Show UiAddAuthorisations

Commented [Dev65]: BUTTON ACTIONS FOR 'EDIT RECORD'
Clear this UI/ Page
Show UiEditAuthorisations

Commented [Dev66]: Title of the screen as seen by the user

Commented [Dev67]: Title of the page as seen in pdf / printouts

Commented [Dev68]: Location of the UI – DataAdmin MAIN-MENU & Manage Authorisations SUB-MENU

Commented [Dev69]: Secondory authentication
When this Ui is called, check the current users email ID in TblAuthorisations, show the UI in case DataAdmin = YES, if not show error window 'Access Denied' and exit to the main menu

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	MANAGE AUTHORISATIONS	TblClient:HeaderRH3

Search

+ Add New Authorisation

Ecode	Email ID	Password	Crew	Ground	Sim	Aircraft	Mana-ger	Reposi-tory	Data Admin	*Task*		
1	crew1@gmail.com	@#$%^&*(*&^%$#@#$%^&	YES	NO	NO	NO	NO	YES	NO	*View*	*Edit*	*Del*
2	trainer.ground2@gmail.com	#$%^&*&^%$#$%^&*^%$	NO	YES	NO	NO	NO	YES	NO	*View*	*Edit*	*Del*
3	trainer.sim3@gamil.com	(*&^%%^&*&^%$#%^&*	NO	NO	YES	NO	NO	YES	NO	*View*	*Edit*	*Del*
4	trainer.aircraft4@gmail.com	^&*&^%$%^*^%^&**&	NO	NO	NO	YES	NO	YES	NO	*View*	*Edit*	*Del*
5	manager5@gmail.com	^$%^%^&*&^&&*	NO	NO	NO	NO	YES	YES	NO	*View*	*Edit*	*Del*
6	dataadmin6@gmail.com	)(*&^*&(*&^*&^%$%^&	YES	YES	YES	YES	YES	YES	YES	*View*	*Edit*	*Del*

Save List **Print List**

Exit

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IF EXIT IS SELECTED →EXIT TO MAIN MENU

SEARCH records operation

If user enters any characters in the search window → search for the same in records and display only those records that match the criteria.
Store the charecters input by the user as SearchCriteria

SAVE LIST / PRINT LIST operation

If user selects **Save List OR Print List option** → Close This Page → SHOW → UiPrintSaveAuthorisationsList.php

CRUD operation

If user selects **+ Add New Record** → Close This Page → Show → UiAddAuthorisations.php
If user selects **View** → Close This Page → Show → UiViewAuthorisation.php
If user selects **Edit** → Close This Page → Show → UiEditAuthorisation.php
If user selects **Delete** → Close This Page → Show → UiDeleteAuthorisation.php

Commented [Dev70]: Show standard header
The values to be shown are taken from TblClient

Commented [Dev71]: List data in TblAuthorisations
Caption is as given here
List only the fields indicated
Do not show password -show encrypted value or ***

Commented [Dev72]: Show standard View / edit / delete icons at the end of each record.
If view is selected – show UiViewAuthorisations with the data relating to the selected record
If edit is selected – show UiEditAuthorisations with the data relating to the selected record
If delete is selected – show UiDeleteAuthorisations with data relating to the selected record

Commented [Dev73]: Show footer at the end of the list

Commented [Dev74]: Show email id of the current user,

Commented [Dev75]: Show current date and time

Commented [Dev76]:

Example of the screen when the user enters a value in the search window – In this example, the user has entered 'aircraft' the records are filtered and only the records containing the string are displayed – user can view / edit / delete / save or print the new list in the same format (with header and footer)

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	MANAGE AUTHORISATIONS	TblClient:HeaderRH3

aircraft

+ Add New Authorisation

Ecode	Email ID	Crew	Ground	Sim	Aircraft	Manager	Repository	DataAdmin	*Task*		
									View	*Edit*	*Del*
4	trainer.aircraft4@gmail.com	**NO**	**NO**	**NO**	**YES**	**NO**	**YES**	**NO**			

Save List

Print List

Commented [Dev77]: If SAVE LIST / PRINT LIST is selected show UiPrintSaveAuthorisationsList

Exit

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IF EXIT IS SELECTED →EXIT TO MAIN MENU

IN THE NEXT PAGE – SEE EXAMPLE FOR 'SAVE ABOVE SELECTED RECORDS' OR 'PRINT THE ABOVE SELCTED RECORDS' OPERATION:

The following is UiPrintSaveAuthorisationsList.php

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	SAVE/ PRINT AUTHORISATIONS LIST	TblClient:HeaderRH3

SEARCH CRITERIAL DEFINED: *aircraft*

Ecode	Email ID	Crew	Ground	Sim	Aircraft	Manager	Repository	DataAdmin	*Task*		
									View	*Edit*	*Del*
4	trainer.aircraft4@gmail.com										

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Current User : Session: Aemail	Retrieved on: Date/Time Stamp

NOTE: if SAVE LIST was selected, create pdf form, show MESSAGE window "Save the above List?' – give options YES/NO. If user selects YES- option to save PDF

If PRINT LIST was selected, show MESSAGE window "Print the above list ?" –give options YES/NO. if user selects YES -PRINT THE LIST AND exit to main menu

The following is UiAddAuthorisations.php

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	ADD NEW AUTHORISATION	TblClient:HeaderRH3

ECHO: 'CAUTION! USE THIS PAGE ONLY TO ADD DATA-ADMIN. ALL CLIENT PERSONNEL ARE AUTOMATICALLY ADDED TO THE SYSTEM, HENCE THIS PAGE SHOULD NOT BE USED TO ADD ANY CLIENT PERSONNEL !!!'

Enter Ecode of the personnel who you wish to grant authorizations:	(validation: INT 7, Required)

Check the Ecode entered by the user in the TblAuthorisations

IF FOUND

ECHO 'This user already exists in the system ! Use edit function in case you want to edit authorisations !'

EXIT TO DATAADMIN MAIN MENU

IF NOT FOUND

Echo: 'Enter additional details for this personnel :'

Enter password to access this website	Password (VARCHAR 15) Encrypt
Enter Email ID:	Email (VARCHAR 50)
Define responsible manager	ResManager (INT 7)
Is this personnel Active ?	Auto-complete with YES, USER CANT MODIFY
Updated By	Auto-complete with session:Ecode
Updated On	Auto-complete with date/time stamp

Commented [Dev78]: This Ui is called if the user presses 'Add New Authorisation' BUTTON in the previous page

Commented [Dev79]: SHOW THIS CAUTION MESSGE TO THE USER ON SCREEN, THIS DOES NOT APPEAR IN PDF / PRINT

Commented [Dev80]: OBTAIN VALUE FROM THE USER – TILL A VALUE IS ENTERED DO NOT SHOW THE REST OF THE FORM

Commented [Dev81]: Coding instructions – not shown / printed on the screen !!!

Commented [Dev82]: IF NO RECORDS EXIST FOR THE ECODE ENTERED BY THE USER – SHOW THE REST OF THE FORM AS APPEARING BELOW;

Commented [Dev83]: SHOW THIS LINE TO THE USER ON THE SCREEN, THIS LINE DOES NOT APPEAR IN PDF/ PRINT

Commented [Dev84]: DO NOT SHOW PASSWORD, THE VALUE EDITED BY THE USER IS ENCRYPTED AND EITHER THE ENCRYPTED VALUE OR *** IS SHOWN

Echo: Define Authorisations for this personnel:

Authorised to access Crew Menu ?	Crew (ENUM YES/NO)
Authorised to access Manager Menu ?	Manager (ENUM YES/NO)
Authorised to access Ground Menu ?	Ground (ENUM YES/NO)
Authorised to access Simulator Menu ?	Simulator (ENUM YES/NO)
Authorised to access Aircraft Menu ?	Aircraft (ENUM YES/NO)
Authorised to access Repository ?	Repository (ENUM YES/NO)
Authorised to access DataAdmin ?	DataAdmin (ENUM YES/NO)

Save Record **Exit**

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Current User : Session: Aemail	Retrieved on: Date/Time Stamp

If EXIT is selected, exit to main menu, don't save any records or vairables.

If SAVE RECORD is selected,

Add a new record with the above values to TblAuthorisations.

Create PDF of the above form, show window 'SAVE PDF ?'

Send email to res-manager – print the table in the body of the email.

EXIT to the main menu

Commented [Dev85]: Show this line on screen, does not apper in PDF/ PRINTOUT

Commented [Dev86]: BUTTON ACTIONS - IF SAVE RECORD is pressed, add the above record to TblAuthorisations
IF EXIT IS pressed, do not save, exit to main menu

Commented [Dev87]: Coding instructions – not shown / printed on the screen !!!

The following is UiEditAuthorisations.php → it appears when user clicks edit on list of records in UiManageAuthorisations.php

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	EDIT AUTHORISATIONS	TblClient:HeaderRH3

Enter Ecode of the personnel who you wish to EDIT authorizations:	(validation: INT 7, Required)

Check the Ecode entered by the user in the TblAuthorisations

IF NOT FOUND

ECHO 'This user does not exist in the system !!! Contact your manager to add the user into the system !'

EXIT TO DATAADMIN MAIN MENU

IF FOUND →

SHOW THE FOLLOWING TABLE WITH EXISTING FIELD VALUES AS APPEARING IN TblAuthorisations for this Ecode

Commented [Dev88]: Coding instructions – not shown / printed on the screen !!!

Echo: 'See the current details of this user and Edit where necessory :'

Enter password to access this website	Password (VARCHAR 15) Encrypt
Enter Email ID:	Email (VARCHAR 50)
Define responsible manager	ResManager (INT 7)
Is this personnel Active ?	YES / NO
Updated By	Auto-complete with session:Ecode
Updated On	Auto-complete with date/time stamp

Commented [Dev89]: USER CAN EDIT ALL THESE VALUES

EDIT Authorisations for this personnel:

Authorised to access Crew Menu ?	Crew (ENUM YES/NO)
Authorised to access Manager Menu ?	Manager (ENUM YES/NO)
Authorised to access Ground Menu ?	Ground (ENUM YES/NO)
Authorised to access Simulator Menu ?	Simulator (ENUM YES/NO)
Authorised to access Aircraft Menu ?	Aircraft (ENUM YES/NO)
Authorised to access Repository ?	Repository (ENUM YES/NO)
Authorised to access DataAdmin ?	DataAdmin (ENUM YES/NO)

Commented [Dev90]: User can edit all these values

Save Record **Exit**

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If EXIT is selected, exit to main menu, don't save any records or vairables.

If SAVE RECORD is selected,

Edit record with the above values in TblAuthorisations for the ecode that is selected.

Create PDF of the above form, show window 'SAVE PDF ?'

Send email to res-manager – print the table in the body of the email.

EXIT to the main menu

Commented [Dev91]: Coding instructions – not shown / printed on the screen !!!

The following is UiViewAuthorisations.php → it appears when user clicks VIEW on list of records in UiManageAuthorisations.php

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	EDIT AUTHORISATIONS	TblClient:HeaderRH3

Enter Ecode of the personnel who you wish to VIEW authorizations:	(validation: INT 7, Required)

Check the Ecode entered by the user in the TblAuthorisations

IF NOT FOUND

ECHO 'This user does not exist in the system !!! Contact your manager to add the user into the system !'

EXIT TO DATAADMIN MAIN MENU

IF FOUND →

SHOW THE FOLLOWING TABLE WITH EXISTING FIELD VALUES AS APPEARING IN TblAuthorisations for this Ecode

Commented [Dev92]: Coding instructions – not shown / printed on the screen !!!

Echo: 'Current details of this user:'

Enter password to access this website	Password (VARCHAR 15) Encrypt
Enter Email ID:	Email (VARCHAR 50)
Define responsible manager	ResManager (INT 7)
Is this personnel Active ?	YES / NO
Updated By	Auto-complete with session:Ecode
Updated On	Auto-complete with date/time stamp

Commented [Dev93]: User cannot edit this column

EDIT Authorisations for this personnel:

Authorised to access Crew Menu ?	Crew (ENUM YES/NO)
Authorised to access Manager Menu ?	Manager (ENUM YES/NO)
Authorised to access Ground Menu ?	Ground (ENUM YES/NO)
Authorised to access Simulator Menu ?	Simulator (ENUM YES/NO)
Authorised to access Aircraft Menu ?	Aircraft (ENUM YES/NO)
Authorised to access Repository ?	Repository (ENUM YES/NO)
Authorised to access DataAdmin ?	DataAdmin (ENUM YES/NO)

Print Record **Exit**

Commented [Dev94]: User cannot edit this column

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Current User : Session: Aemail	Retrieved on: Date/Time Stamp

If EXIT is selected, exit to main menu, don't save any records or vairables.

If PRINT RECORD is selected,

Create PDF of the above form, show window 'SAVE PDF ?'

Print copy of the PDF

EXIT to the main menu

Commented [Dev95]: Coding instructions – not shown / printed on the screen !!!

The following is UiDeleteAuthorisations.php → it appears when user clicks DELETE for records in UiManageAuthorisations.php

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	DELETE AUTHORISATIONS	TblClient:HeaderRH3

Enter Ecode of the personnel who you wish to DELETE authorizations:	(validation: INT 7, Required)

Check the Ecode entered by the user in the TblAuthorisations

IF NOT FOUND

ECHO 'This user does not exist in the system !!! Contact your manager to add the user into the system !'

EXIT TO DATAADMIN MAIN MENU

IF FOUND →

SHOW THE FOLLOWING TABLE WITH EXISTING FIELD VALUES AS APPEARING IN TblAuthorisations for this Ecode

Commented [Dev96]: Coding instructions – not shown / printed on the screen !!!

Echo: 'See the current details of this user:'

Enter password to access this website	Password (VARCHAR 15) Encrypt
Enter Email ID:	Email (VARCHAR 50)
Define responsible manager	ResManager (INT 7)
Is this personnel Active ?	YES / NO
Updated By	Auto-complete with session:Ecode
Updated On	Auto-complete with date/time stamp

Commented [Dev97]: USER CANT EDIT THIS COLUMN

EDIT Authorisations for this personnel:

Authorised to access Crew Menu ?	Crew (ENUM YES/NO)
Authorised to access Manager Menu ?	Manager (ENUM YES/NO)
Authorised to access Ground Menu ?	Ground (ENUM YES/NO)
Authorised to access Simulator Menu ?	Simulator (ENUM YES/NO)
Authorised to access Aircraft Menu ?	Aircraft (ENUM YES/NO)
Authorised to access Repository ?	Repository (ENUM YES/NO)
Authorised to access DataAdmin ?	DataAdmin (ENUM YES/NO)

Delete Record **Exit**

Commented [Dev98]: USER CANT EDIT THIS COLUMN

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If EXIT is selected, exit to main menu, don't save / DELETE any records or vairables.

If DELETE RECORD is selected,

Edit record in TblAuthorisations by replacing Active with NO for the above ecode

Create PDF of the above form, show window 'SAVE PDF ?'

Send email to res-manager – print the table in the body of the email.

EXIT to the main menu

Commented [Dev99]: Coding instructions – not shown / printed on the screen !!!

LOGIN PAGE

Commented [Dev100]: The page should be both desktop / tab / mobile devise friendly

Show background picture as per TblClient

Enter your credentials to Login / Sign-in with Google	
Email ID	
Password	
Login	
G	← Sign-in with Google

LANDING PAGES – 4.

DataAdmin Landing Page : shown to all users with DataAdmin = Yes

Manager Landing Page : shown to all users with Manager = Yes

Training Landing Page : shown to all users with either Ground / Aircraft / Simulator (any 1 or all) = YES

Crew Landing Page : shown in all other cases.

Note: A user may have Yes in 1 or more user group, (e.g., user may be yes in crew, manager and DataAdmin) irrespective of that the above logic is applied to display the login page applicable to the user

MAIN MENUS – 7

Crew MAIN-MENU

Ground MAIN-MENU

Simulator MAIN-MENU

Aircraft MAIN-MENU

Repository MAIN-MENU

Managers MAIN-MENU

DataAdmin MAIN-MENU

Landing Page & MAIN MENUS to be shown to the user:

USER IS DIRECTED TO 1 OF THE 4 LOGIN PAGES BASED ON THE USER GROUP.

On sign in / successful google sign-in → check email id in TblAuthorisations & active = YES
If email id is not found in Tbl Authorisations → Error Window 'Access Denied!' exit

On successful login and Users ID is in the Authorisations Page & active = YES

IF DataAdmin = YES → Show DataAdmin Landing Page
SHOW ALL THE 8 MAIN MENUS

If email id is found – and – Manager = YES → Show Manager Landing Page
SHOW ALL (7) MAIN MENUS EXCEPT DataAdmin

If email id is found – and – either [Ground / Simulator / Aircraft] = YES → show Training landing Page – SHOW THE MAIN MENUS INDICATED IN THE TBLAUTHORISATIONS TABLE

In all other cases – show Crew landing page & SHOW ONLY THE CREW & REPOSITORY MAIN MENUS

DataAdmin Landing Page

== Crew Ground Aircraft Simulator Repository Managers DataAdmin

Background picture as per TblClient

Commented [Dev101]: Main menus as seen by the user – this can be horizontal or vertical
The page should be both desktop / tab / mobile devise friendly

Managers Landing Page

== Crew Ground Aircraft Simulator Repository Managers

Background picture as per TblClient

Training Landing Page

== Ground Aircraft Simulator Repository

Background picture as per TblClient

Crew Landing Page

== **Crew** **Repository**

Background picture as per TblClient

MODULE 2 - TASK 1 (Create TblFleet and UIs for CRUD operations)

Caption	Field Name	Data Type	Size	TblFleet (2 fields)	Mandatory ?
Aircraft Code	AircraftCode	VARCHAR	8	Unique Value	Primary Key
Aircraft Name	AircraftName	VARCHAR	20	User input	REQUIRED

Add following records:	AircraftCode	AircraftName
	A320	Airbus A 320
	A321	Airbus A 321
	B737NG	Boeing 737 NG
	B787-9	Boeing 787-9

UI : CRUD coding instructions :

PAGE DETAILS	BUTTON ACTIONS			
Page: UiManageFleet	Button:	Save List	Print List	Exit
Screen Title: Manage Fleet	Email:	admin@amiagi.com	admin@amiagi.com	no
Title in PDF/Print: Manage Fleet	PDF:	generate, prompt user to save	generate if requested	no
DataAdmin:Manage Fleet	Print:	print PDF if requested	print PDF	no
Deny access if session AECODE = NO in TBLAUTHORISATIONS:DataAdmin	Update:	no	no	no
Allow access if session AECODE = YES in TBLAUTHORISATIONS:DataAdmin	Exit:	To Main Menu	To Main Menu	To Main Menu
If ADD NEW RECORD button is pressed, open AddFleet.php				

Ensure secondary authentication as above:

This page is placed under the Data Admin MAIN-MENU, Manage Fleet SUB-MENU

Hence only users having access to DataAdmin have access to this page. ***

Email id of the current session user = AEMAIL (stored as variable during login)

Check tblauthorisations

show page AddFleet and all associated pages only if → DataAdmin = yes for the current user.

Commented [Dev1]: Insert this MySql table in Arora RDS via applicaiton

Commented [Dev2]: Insert this default data into the MySql Tble for testing/ validation

Commented [Dev3]: Coding instructions not shown on the screen

Commented [Dev4]: Page name

Commented [Dev5]: What happens if user selects this button – PDF of the form is generated, user is prompted to save, email is sent to admin@amiagi.com – subject = page title, pdf is attached or the table is printed on the body of the email. No table is updated and once operation is compete – exit to main menu.

Commented [Dev6]: Title of the page as seen by the user on the screen

Commented [Dev7]: Title of the page as seen by the user on the printout / PDF file

Commented [Dev8]: Where the page is hosted – on the DataAdmin MAIN MENU & Manage Fleet SUB-MENU

Commented [Dev9]: use session variable – email ID of the current user, check in authorisation page, if DataAdmin = NO, deny access, user cannot access this page

Commented [Dev10]: use session variable – email ID of the current user, check in authorisation page, if DataAdmin = YES, provide access to this page and proceed

UiManageFleet

START UI: **********: THIS IS WHAT THE USER SEES ON THE SCREEN WHEN [DATAADMIN: MANAGE FLEET] is selected**

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	MANAGE FLEET	TblClient:HeaderRH3

Search

+ Add New Record

Aircraft Code	Aircraft Name	Operation		
A320	Airbus A320	*VIEW*	*EDIT*	*DELETE*
A321	Airbus A321	*VIEW*	*EDIT*	*DELETE*
B737NG	Boeing 737 NG	*VIEW*	*EDIT*	*DELETE*
B787-9	Boeing 789-9	*VIEW*	*EDIT*	*DELETE*

Save / Print List

Exit

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END OF PRIMERY UI*************************

Commented [Dev11]: Information required for the header is in TblClient

Commented [Dev12]: Standard caption – justified table, should look nice 😊

Commented [Dev13]: Provide standard VIEW, EDIT & DELETE ICON against each record.

Commented [Dev14]: SAVE / PRINTLIST BUTTON – if pressed, a PDF is created and the user is prompted to save the PDF, the PDF contains the same format as the UI, however the [+ Add New Record], [Print List] & [Exit] BUTTONS are not shown in the print. The Search window is shown to indicate the SEARCH parameters for the list. USER HAS OPTION OF SAVING THE PDF OR PRINTING THE LIST. WHEN DONE Exit to Data Admin MAIN-MENU

EXIT BUTTON – If pressed, EXIT to DataAdminn MAIN-MENU

SUPPORT – CRUD UIs Connected to UiManageFleet : UiAddFleet, UiEditFleet, UiViewFleet, UiDeleteFleet

Page Name: UiAddFleet.php

When user presses the [+ ADD NEW RECORD] button, the previous UI screen is removed and the following UI is called. The following is a sub-UI that is tied to ManageFleet UI and cannot be called independently.

When page is called → PERFORM SECONDARY AUTHENTICATION

START UI: **********: THIS IS WHAT THE USER SEES ON THE SCREEN IF [+ ADD NEW RECORD] BUTTON IS PRESSED**

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	Add New Aircraft to Fleet	TblClient:HeaderRH3

Enter Aircraft Code	Get user input – VARCHAR 8, REQUIRED

**************PAUSE UI – CODING INSTRUCTIONS FOLLOW:**

Use TblFleet index AircraftCode. Fiind aacode, if the value exists in the acode field ECHO **[ERROR WINDOW]** '**This code already exists ! Please choose a unique code to conitnue**'. WHEN USER SELECTS ANY KEY , CLEAR USER INPUT AND SHOW THE UI ONCE AGAIN.

If the USER ENTERED value does not exist in TBLFLEET – display the following line;

**************RESUME UI**

Enter Aircraft Name	Get user input – VARCHAR 20, REQUIRED, (no blank)

Save Record **Exit Without Saving**

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END OF UiAddFleet UI*************************

Commented [Dev15]: This field is blank and is editable by the user. Validation as per description

Commented [Dev16]: coding instructions – this will not appear on the screen

Commented [Dev17]: This field is blank and is editable by the user. Validation as per description

Commented [Dev18]: SAVE RECORD BUTTON
When pressed, add a record to TblFleet with the above data provided by the user. Create a PDF, provide option to the user to download / print the PDF. [the buttons are NOT shown in PDF/ printout/ email] Create a auto-email and send the FORM to admin@amiagi.com exit to DataAdmin main menu
EXIT WITHOUT SAVING
When pressed, do not add record, exit to DataAdmin main menu.

Page Name: UiEditFleet.php

When user presses the [EDIT] button, the previous UI screen is removed and the following UI is called. The following is a sub-UI that is tied to ManageFleet UI and cannot be called independently.

When page is called → PERFORM SECONDARY AUTHENTICATION

STORE THE FIELD VALUES FOR THE RECORD SELECTED BY THE USER AS VAIRABLES. SHOW THE VALUES IN THE FOLLOWING FORM AND ENABLE USER TO EDIT THE SAME

START UI: **********: THIS IS WHAT THE USER SEES ON THE SCREEN IF [EDIT] BUTTON IS PRESSED against any RECORD**

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	Edit Fleet Record	TblClient:HeaderRH3

Aircraft Code	show current value, user cant edit
Enter Aircraft Name	Show current value, user can edit – VARCHAR 20, REQUIRED, (no blank)

Edit Record **Exit Without Editing**

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END OF UiEditFleet UI*************************

Commented [Dev19]: Common RULE FOR ALL CRUD – EDIT OPERATIONS, THE KEY FIELD/ (CODE) Cannot be edited.

Commented [Dev20]: This field contains current value and is editable by the user. Validation as per description

Commented [Dev21]: EDIT RECORD BUTTON
When pressed, EDIT the record in TblFleet with the above value provided by the user. Create a PDF, provide option to the user to download / print the PDF. [the buttons are NOT shown in PDF/ printout/ email] Create a auto-email and send the FORM to admin@amiagi.com exit to DataAdmin main menu
EXIT WITHOUT EDITING BUTTON
When pressed, do not add record, exit to DataAdmin main menu.

Page Name: UiViewFleet.php

When user presses the [VIEW] button, the previous UI screen is removed and the following UI is called. The following is a sub-UI that is tied to ManageFleet UI and cannot be called independently.

When page is called → PERFORM SECONDARY AUTHENTICATION

STORE THE FIELD VALUES FOR THE RECORD SELECTED BY THE USER AS VAIRABLES. SHOW THE VALUES IN THE FOLLOWING FORM – USER CANNOT EDIT

START UI: **********: THIS IS WHAT THE USER SEES ON THE SCREEN IF [VIEW] BUTTON IS PRESSED against any RECORD**

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	View a Fleet Record	TblClient:HeaderRH3

Aircraft Code	show current value, user cant edit

Enter Aircraft Name	Show current value, user cant edit

Save / Print Record **Exit**

Commented [Dev22]: SAVE/ PRINT RECORD BUTTON
When pressed,. Create a PDF, provide option to the user to download / print the PDF. [the buttons are NOT shown in PDF/ printout/ email] Exit to DataAdmin MAIN-MENU

EXIT BUTTON
When pressed, do not add record, exit to DataAdmin main menu.

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END OF UiViewFleet UI*************************

Page Name: UiDeleteFleet.php

When user presses the [DELETE] button, the previous UI screen is removed and the following UI is called. The following is a sub-UI that is tied to ManageFleet UI and cannot be called independently.

When page is called → PERFORM SECONDARY AUTHENTICATION

STORE THE FIELD VALUES FOR THE RECORD SELECTED BY THE USER AS VAIRABLES. SHOW THE VALUES IN THE FOLLOWING FORM – USER CANNOT EDIT

START UI: **********: THIS IS WHAT THE USER SEES ON THE SCREEN IF [DELETE] BUTTON IS PRESSED against any RECORD**

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	Record of Deletion of Fleet Data	TblClient:HeaderRH3

Aircraft Code	show current value, user cant edit

Enter Aircraft Name	Show current value, user cant edit

DELETE Record **Exit Without Deleting**

Commented [Dev23]: DELETE RECORD BUTTON
When pressed,. Delete this record from TblFleet. Create a PDF, provide option to the user to download / print the PDF. [the buttons are NOT shown in PDF/ printout/ email]
Create a auto-email and send the form to admin@amiagi.com exit to DataAdmin main menu
EXIT WITHOUT DELETING BUTTON Exit to DataAdmin MAIN-MENU

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END OF UiDeletetFleet UI*************************

MODULE 2 - TASK 2 (Create TblRatings and UIs for CRUD operations)

Caption	Field Name	Data Type	Size	TblRatings	Mandatory ?
Aircraft Code	AircraftCode	VARCHAR	8	Unique Value	**PRIMERY KEY** REQUIRED
Aircraft Name	AircraftName	VARCHAR	20	User input	REQUIRED

Add following records:

AircraftCode	AircraftName
A320	Airbus A 320
A321	Airbus A 321
B737NG	Boeing 737 NG
B787-9	Boeing 787-9
C172	Cessna 172
C152	Cessna 152
B737-2	Boeing 737 200
B737-4	Boeing 737 400
B737-6	Boeing 737 500
B737-8	Boeing 737 400
CRJ	CRJ
ATR-42	ATR 42
ATR-72	ATR 72

Create UIs Exactly similar to the one defined for TblFleet in TASK 1

PROVIDE CRUD UiManageRatings, UiAddRatings, UiEditRatings, UiViewRatings & UiDeleteRatings

Place UiManageRatings under DataAdmin MAIN-MENU : "MANAGE RATINGS" SUB-MENU

MODULE 2 – TASK 3. CREATE TblRank and UIs for CRUD operations

Caption	Field Name	Data Type	Size	TblRank	Mandatory ?
Rank Code	RankCode	VARCHAR	5	**Add Records →Rank (RankCode) [PeckingOrder]** Intern (INTER) [25]/ Trainee First Officer (TFO) [24]/	PRIMERY KEY REQUIRED
Pecking order	PeckingOrder	INT	2	Junior First Officer (JFO)[23]/ Executive (EXEC)[22]/ First Officer (FO) [21]/ Senior First Officer (SFO)[20] / Asst Manager (AM)[19] /	REQUIRED
Rank	Rank	VARCHAR	45	Line Captain (CAPT)[18]/ Line Training Captain (LTC)[17]/ Pilot Special Duties (PSD)[16]/ Management Pilot Special Duties (MPSD) [15] / Manager (MGR)[14] / Senior Manager (S-MGR)[13] / 'Ground Instructor (GI) [12/ Type Rating Instructor - S (TRI-S) [11]/ Type Rating Instructor - A (TRI-A) [10]/ Deputy General Manager (DGM)[9]/ Designated Examiner (DE)[8] / General Manager (GM)[7]/ Asst. Chief Pilot (ACP)[6]/ Dy. Chief Pilot (DCP) [5]/ Chief Pilot (CP)[4]/ Asst. Vice President (AVP)[3] / Vice President (VP) [2]/ Senor Vice President (SVP) [1]	REQUIRED

Commented [Dev24]: Recrods to be added for validation of the table and curd operations, RANK CODE IS () Pecking order is [], Rank is as indicated

Create UIs Exactly similar to the one defined for TblFleet in TASK 1

PROVIDE CRUD UiManageRank, UiAddRank,, UiEditRank, UiViewRank & UiDeleteRank

Place UiManageRank under DataAdmin MAIN-MENU : "MANAGE RANK" SUB-MENU

MODULE 2 – TASK 4. Create TblCrew and associated UIs for CRUD operations

STRUCTURE OF TblCrew									
	FieldName	DataType	Size	Key		FieldName	DataType	Size	Key
1	Ecode	INT	7	**Primery Key**	12	Base	VARCHAR	15	
2	Name	VARCHAR	30		13	TempAddress	VARCHAR	120	
3	Photograph	BLOB	500 kb		14	Fleet	VARCHAR	8	Foreign Key - TblFleet
4	JoiningDate	DATE			15	Rank	VARCHAR	5	Foreign Key - TblRank
5	LeavingDate	DATE			16	Ratings	VARCHAR	60	Foreign Key – TblRatings
6	EmailOfficial	Email			17	PeckingOrder	INT	2	Foreign Key - TblRank
7	EmailPersonal	Email			18	DateOfBirth	DATE		
8	PhoneMain	VARCHAR	15		19	ResManager	INT	7	Foreign Key – TblManagers
9	PhoneSecond	VARCHAR	15		20	LicenceNo	VARCHAR	15	
10	PmtAddress	VARCHAR	120		21	UpdatedBy	INT	7	Foreign Key – :TblManagers
11	Active	YES/NO	3		22	UpdatedOn	VARCHAR	30	

Commented [Dev25]: FOR ALL LINKED FIELDS (FOREIGN KEY) PROVIDE A COMBO BOX IN CRUD FORM TO PERFORM ADD, EDIT FUNCTIONS. (NOT REQUIRED FOR VIEW/DELETE FUNCTIONS.

Commented [Dev26]: This takes input from Ratings table, User can have multiple ratings, each one is stored separated with a coma (provide combo box in UI)

Create UIs as defined below;

UiManageCrew under MANAGER MAIN-MENU : "MANAGE CREW" SUB-MENU

Provide UiViewCrew under CREW MAIN-MENU (with option to save/print), However the user logged under CREW (WITH NO MANAGER OR DATAADMIN priviliges can view how own record. For that retrieve the login information (stored as variable during login) and show only own record when user selects UIViewCrew undere CREW main-menu

UiManageCrew

START UI: ********: THIS IS WHAT THE USER SEES ON THE SCREEN WHEN [MANAGER: MANAGE CREW] is selected**

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	MANAGE CREW	TblClient:HeaderRH3

Search

+ Add New Record

Ecode	Fleet	Rank	Name	LicenceNo	Base	Phone	EmailOfficial	Active	Photograph	Operation		
										VIEW	*EDIT*	*DELETE*
										VIEW	*EDIT*	*DELETE*
										VIEW	*EDIT*	*DELETE*
										VIEW	*EDIT*	*DELETE*

Save / Print List

Exit

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Current User : Session: Aemail

Retrieved on: Date/Time Stamp

END OF PRIMERY UI********

Commented [Dev27]: Information required for the header is in TblClient

Commented [Dev28]: Provide option to sort ascending or desending

Commented [Dev29]: PROVIDE COMBO BOX FOR SELECTION OF ONE OR MORE FLEET (SOURCE – RECORDS IN TblFleet

Commented [Dev30]: Provide combo box for selection of one or more RANKS – SOURCE - TblRank

Commented [Dev31]: Provide option to sort ascending or descending

Commented [Dev32]: Provide option to sort ascending or descending

Commented [Dev33]: PROVIDE PROVISION FOR SELECTION OF YES, NO OR BOTHT

Commented [Dev34]: Show photo preview 1" x 1"

Commented [Dev35]: Provide standard VIEW, EDIT & DELETE ICON against each record.

Commented [Dev36]: SAVE / PRINTLIST BUTTON – if pressed, a PDF is created and the user is prompted to save the PDF, the PDF contains the same format as the UI, however the [+ Add New Record], [Print List] & [Exit] BUTTONS are not shown in the print. The Search window is shown to indicate the SEARCH parameters for the list. USER HAS OPTION OF SAVING THE PDF OR PRINTING THE LIST. WHEN DONE Exit to Data Admin MAIN-MENU

EXIT BUTTON – If pressed, EXIT to DataAdminn MAIN-MENU

SUPPORT – CRUD UIs Connected to UiManageCrew : UiAddCrew, UiEditCrew, UiViewCrew, UiDeleteCrew

Page Name: UiAddCrew.php

When user presses the [+ ADD NEW RECORD] button, the previous UI screen is removed and the following UI is called. The following is a sub-UI that is tied to ManageCrew UI and cannot be called independently.

When page is called → PERFORM SECONDARY AUTHENTICATION

START UI: ********: THIS IS WHAT THE USER SEES ON THE SCREEN IF [+ ADD NEW RECORD] BUTTON IS PRESSED**

CLIENT LOGO	TblClient:CompanyName	TblClient:HeaderRH1
	TblClient:Department	TblClient:HeaderRH2
	Add New Crew	TblClient:HeaderRH3

Enter Crew E- Code	Get user input – INT 7, REQUIRED (store variable as aecode)

*************PAUSE UI – CODING INSTRUCTIONS FOLLOW:**

Use TblCrew index ECode. Fiind aecode, if the value exists in TblCrew:ecode ECHO **[ERROR WINDOW]** '**This E-code already exists ! Duplicate entry prohibited !!**'. WHEN USER SELECTS ANY KEY , CLEAR USER INPUT AND SHOW THE UI ONCE AGAIN (with blank field).

If the USER ENTERED value does not exist in TblCrew – display the following;

*************RESUME UI**

E-Code:		**Base:**		**Fleet:**			**Photograph:**
Rank:			**Ratings:**				
Date of Birth:		**Name:**					
Joining Date:		**Email (Official):**					
Licence Number:		**Email (Personal)**					
Phone Main:			**Phone Second:**				
Permanent Address:							
Temp Address:							
Res_Manager		**Name**			**Rank**		

Save Record **Exit Without Saving**

Commented [Dev37]: When page is called, This field is blank and is editable by the user. Validation required – number between 1 to 9999999, required

Commented [Dev38]: coding instructions – this will not appear on the screen

Commented [Dev39]: Show previously selected by the, USER CANT EDIT

Commented [Dev40]: Provide combo-box:→Select from TblBase (create a one field table – VARCHAR 15), add default values (Delhi, Mumbai, Bengaluru, Kolkata, Chennai, Hyderabad, Ahmadabad)

Commented [Dev41]: Show combo-box, user selects Aircraftcode from TblFleet (show AircraftCode, AircraftName to enable user select)

Commented [Dev42]: Blob limit to 500 kb

Commented [Dev43]: Provide combobox to select Rankcode from TblRank for which show Rankcode & Rank to enable user select.

Commented [Dev44]: Provide combobox to select multiple values from TblRatings for which show fields Acode & Aircraft

Commented [Dev45]: Provide date picker, validation – age > 18 and < 65 years

Commented [Dev46]: VARCHAR 30

Commented [Dev47]: Show date picker – default today, validation, should not be a future date

Commented [Dev48]: Email ID

Commented [Dev49]: Varchar 15

Commented [Dev50]: Phone 15 digit

Commented [Dev51]: Phone upto 15 digit

Commented [Dev52]: Varchar 120

Commented [Dev53]: VARchar 120

Commented [Dev54]: Show combo box, show ecode, name, rank from tblManagers, user has to select one record

Commented [Dev55]: SAVE RECORD BUTTON
When pressed, add a record to TblFleet with the above data provided by the user. Create a PDF, provide option to the user to download / print the PDF. [the buttons are NOT shown in PDF/ printout/ email] Create a auto-email and send the FORM to admin@amiagi.com exit to DataAdmin main menu
EXIT WITHOUT SAVING

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END OF UiAddFleet UI********

Provide similar for edit, view and delete – exactly like module 2 task 1

MODULE 2 – TASK 5. Create TblTrainer and associated UIs for CRUD operations

STRUCTURE OF TblTrainer									
	FieldName	**DataType**	**Size**	**Key**		**FieldName**	**DataType**	**Size**	**Key**
1	Ecode	INT	7	**Primery Key**	14	Simulator	YES/NO	3	
2	Name	VARCHAR	30		15	TempAddress	VARCHAR	120	
3	Photograph	BLOB	500 kb		16	Fleet	VARCHAR	8	Foreign Key – Fleet
4	JoiningDate	DATE			17	Rank	VARCHAR	5	Foreign Key – Rank
5	LeavingDate	DATE			18	PeckingOrder	INT	2	Foreign Key – Rank
6	EmailOfficial	Email			19	DateOfBirth	DATE		
7	EmailPersonal	Email			20	AircraftRatings	VARCHAR	45	Foreign Key – Ratings
8	PhoneMain	VARCHAR	15		21	ResManager	INT	7	Foreign Key - :Managers
9	PhoneSecond	VARCHAR	15		22	LicenceNo	VARCHAR	15	
10	PmtAddress	VARCHAR	120		23	Authorisation	BLOB	500	
11	Active	YES/NO	3		24	Validity	DATE		
12	Ground	YES/NO	3		25	UpdatedBy	INT	7	Foreign Key – :Managers
13	Aircraft	YES/NO	3		26	UpdatedOn	VARCHAR	30	

Commented [Dev56]: FOR ALL LINKED FIELDS (FOREIGN KEY) PROVIDE A COMBO BOX IN CRUD FORM TO PERFORM ADD, EDIT FUNCTIONS. (NOT REQUIRED FOR VIEW/DELETE FUNCTIONS.

Create UIs Exactly similar to the one defined for TblFleet in TASK 1

PROVIDE CRUD UiManageTrainer, UiAddTrainer,, UiEditTrainer, UiViewTrainer & UiDeleteTrainer

Place UiManageTrainer under MANAGER MAIN-MENU : “MANAGE TRAINER” SUB-MENU

Provide UiViewTrainer under Ground, Aircraft and Simulator MAIN-MENUs, however unless the user has manager or dataadmin priviliges, he can see only own record IN UiVewTrainer Sub-Menu (use SESSION login information and show only own record when requested). Own Record can be viewed by user under Ground main-menu only if Ground = Yes, Record can be viewed under Aircraft main-menu only if Aircraft = yes, and record can be viewed under Simulator main-menu only if Simulator = Yes

MODULE 2 – TASK 6. Create TblManager and associated UIs for CRUD operations

STRUCTURE OF TblManager									
	FieldName	DataType	Size	Key		FieldName	DataType	Size	Key
1	Ecode	INT	7	Primery Key	10	PmtAddress	VARCHAR	120	
2	Name	VARCHAR	30		11	TempAddress	VARCHAR	120	
3	Photograph	BLOB	500 kb		12	Rank	VARCHAR	45	Foreign Key – Rank
4	JoiningDate	DATE			13	PeckingOrder	INT	2	Foreign Key - Rank
5	LeavingDate	DATE			14	DateOfBirth	DATE		
6	EmailOfficial	Email			15	ResManager	INT	7	Foreign Key – :Managers
7	EmailPersonal	Email			16	Active	YES/NO	3	
8	PhoneMain	VARCHAR	15		17	UpdatedBy	INT	7	Foreign Key - :Managers
9	PhoneSecond	VARCHAR	15		18	UpdatedOn	VARCHAR	30	

Commented [Dev57]: FOR ALL LINKED FIELDS (FOREIGN KEY) PROVIDE A COMBO BOX IN CRUD FORM TO PERFORM ADD, EDIT FUNCTIONS. (NOT REQUIRED FOR VIEW/DELETE FUNCTIONS.

Create UIs Exactly similar to the one defined for TblFleet in TASK 1

PROVIDE CRUD UiManageManager, UiAddManager,, UiEditManager, UiViewManager & UiDeleteManager

Place UiManageManager under MANAGER MAIN-MENU : “MANAGE MANAGER” SUB-MENU

MODULE 2 – TASK 7. Create TblQualificationList and associated UIs for CRUD operations

Structure of QualificationsList Table					
	FieldName	**DataType**	**Size**	**Key**	**Required ?**
1	Qcode	VARCHAR	7	**Primary Key**	**YES**
2	Qname	VARCHAR	30		YES
3	Data1Title	VARCHAR	25		Yes
4	Data2Title	VARCHAR	25		Yes
5	Data3Title	VARCHAR	25		**Yes**
6	ResManager	INT	5	**Foreign Key – :Managers**	**Yes**
7	RenewalPro	VARCHAR	120		**Yes**
8	Mandatory	YES/NO	3		**Yes**
9	AddedBy	INT	5	**Foreign Key – :Managers**	**Yes**
10	AddedOn	VARCHAR	30		Yes

Commented [Dev58]: FOR ALL LINKED FIELDS (FOREIGN KEY) PROVIDE A COMBO BOX IN CRUD FORM TO PERFORM ADD, EDIT FUNCTIONS. (NOT REQUIRED FOR VIEW/DELETE FUNCTIONS.

Create UIs Exactly similar to the one defined for TblFleet in TASK 1

PROVIDE CRUD UiManageQualificationList, UiAddQualificationList, UiEditQualificationList, UiViewQualificationList & UiDeleteQualificationList

Place UiManageQualificationList under DataAdmin MAIN-MENU : “QUALIFICATIONS LIST” SUB-MENU

DATA ENTRY FOR TESTING - Insert the following Default Records in the QualificationsList Schema - ALL: Renewal Pro = standard as per DPM, RESMANAGER = 1923, ALL UPDATEDBY = 1923, ALL UPDATEDON = NOW(), Mandatory = 'YES'				
QCode	**QName**	**Data 1Title**	**Data2Title**	**Data3Title**
ATPL	Airline Transport Pilot License	Rating as P1	Rating as P2	Restrictions
CPL	Commercial Pilots License	Rating as P1	Rating as P2	Restrictions
ELP	English Language Proficiency	Level required	Level achieved	Examiner
MedCr	Medical Exam Certificate from Centre	File Number	Medical Centre	Restrictions
MedAs	Medical Assessment from DGCA	File Number	Medical Centre	Restrictions
FRTOL	Flt Radio Tel Operators License	Type	Main Licence No.	Restrictions
RTR	RTR	Type	Main Licence No.	Restrictions
PASS	PASSPORT	Visa 1	Visa 2	Visa 3
CMC	Crew Member Certificate	Restrictions 1	Restrictions 2	Restrictions 3
FATA	Foreign Crew Temporary Authorisation	Aircraft	Trainer Authorisation 1	Trainer Authorisation 2
AEP	Airport Entry Pass	Airports	Codes	Restrictions
P_FLY	Summaries of Past Flying Experience	Current As On	Issued By	Verified By

Structure of QualificationRecords Table			
Details	**FieldName**	**Type**	**Size**
QualiRecordNumber: PRIMERY KEY	**Qnumber**	INT (AUTO)	11
Foreign Key : :Crew	**Ecode**	INT	5
Foreign Key : QualificationList	**Qcode**	VARCHAR	5
User enters – required	**DocumentNumber**	VARCHAR	15
User enters – required	**IssuingAuthority**	VARCHAR	25
QualificatonList:Data1	**Caption1**	VARCHAR	25
QualificatonList:Data2	**Caption2**	VARCHAR	25
QualificatonList:Data3	**Caption3**	VARCHAR	25
User enters – required	**Data1**	VARCHAR	25
User enters – required	**Data2**	VARCHAR	25
User enters – required	**Data3**	VARCHAR	25
YES/NO, required (no blank)	**Mandatory**	VARCHAR	3
User enters – required	**DateAchieved**	DATE	
User enters – required	DateValid	DATE	
User enters – required	DocumentRecord	BLOB	500kb
Current	Active	YES/NO	3
User enters - optional (blank ok)	RenewalDocs	BLOB	500 kb
User enters - optional (blank ok)	RenewalResponsible	INT	5
User enters - optional (blank ok)	RenewalDateExpected	DATE	
= ecode of current user (login)'	UpdatedBy	INT	5
= now()'	UpdatedOn	VARCHAR	30

QUALIFICATION LIST CRUD – as per std design

QUALIFICATION DVC – (PAGE WHERE THE USER SEES OWN QUALIFICAITON WITH IMAGES OF THE QUALIFICATION), details such as qualification issue date, expiry date and days to expiry is shown in the following design.

NOTE –

This page is visible on MANAGER page – where the manager can see the qualification status of all crew – MANAGER HAS TO SELECT ANY ONE CREW TO VIEW.

This page is also visible on CREW page – where the crew can see own qualification status (crew cannot see others status)

The records are sorted to show the record which is expiring early FIRST.

Header

Qualification Document Validity Summary for –(ecode)-, -(rank)-, -(name)-. As on –(date/time stamp)-

CREW PHOTO

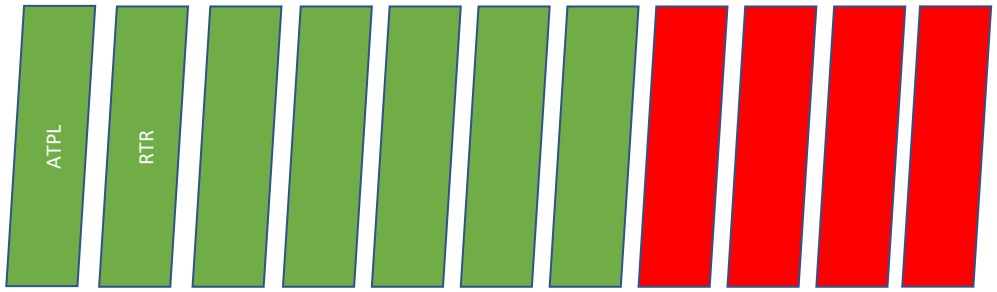
RIBBON VIEW | STAMP VIEW | LIST VIEW

IF ribbon view is selected; remove the buttons and show the following ribbons

Primary Roles

PILOT IN COMMAND – A320 | LTC | RHS | RHS-LVO

Mandatory Qualifications Status;



Commented [Dev59]: Green is current qulificatinos
Red is exprired qualifications

Optional Qualifications Status;

If stamp view is selected – display records in the following format;

(1) MANDATORY QUALIFICATIONS ;

Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview
Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview
Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview

(2) OPTIONAL QUALIFICATIONS ;

Q Name Issue Date	image preview	Q Name Issue Date	image preview	Q Name Issue Date	image preview	Q Name Issue Date	image preview

Expiry Date Days to Expiry		Expiry Date Days to Expiry		Expiry Date Days to Expiry		Expiry Date Days to Expiry	
Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview
Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview	Q Name Issue Date Expiry Date Days to Expiry	image preview

If list view is selected – display records in the following format;

(1) MANDATORY QUALIFICATIONS

LIST

Qcode, Doc No, Date Issued, Date Expiring, Days to Expiry, Image perview (1" x 1") (for the selected ecode & mandatory = yes)

(1) MANDATORY QUALIFICATIONS

LIST

Qcode, Doc No, Date Issued, Date Expiring, Days to Expiry, Image perview (1" x 1") (for the selected ecode & mandatory = no)

FOOTER

ATMS V2 - Module 3

1 Tasks:

Code in Python 3.6.8 Django 3.0 & _____ Ui

1.1 Build MySql tables

Build MySql tables and add them to the existing RDS Arora database in AWS. Table designs are as given in this module,

(Note: Design shall not be altered without discussion as the same table are to be used in other UIs and change may affect functioning of those UIs.)

1.2 Create Ui

Create Uis as per the attached description. **NOTE: All UIs should work both on desktop and mobile devices** ;

1.2.1 UI to Perform CRUD operations

Provide UI to list all records in the table, filter the records via the search window and PRINT / SAVE the list. The fields/columns to be displayed are as per the design specified in this document

Tables also require individual CRUD UIs to list all records. Standard VIEW-BUTTON, EDIT-BUTTON, DELETE-BUTTON shall be shown against each record to perform VIEW, EDIT, DELETE, PRINT, SAVE(as PDF) OR EMAIL each record.

1.2.2 Ui to Perform FORM operations

As per attached design Create UI to display data from multiple tables. Obtain user inputs in such tables and based on such input – update existing table as per design specified in this document. Such forms when completed are also converted to PDF with option to user to SAVE, PRINT or EMAIL the same.

2 Existing MySql tables in V2 schema

All tables in this module will go into V2 MySql database (AWS-RDS). This database already has some tables that are required to support tasks defined in this module. The design of such tables are provided hereunder ; Create these tables as they are required to test this module. Ultimately these original tables in the database will be used and the tables created here will be deleted. In order to avoid errors it is very important to maintain the design of the tables exactly as indicated here;

2.1 TblClient

Caption	Field Name	Data Type	Size	TblClient (MySql)	Mandatory ?
AmiAgi Logo	AmiAgiLogo	BLOB		Logo to be used on screen and forms	REQUIRED
Company Logo	CoLogo	BLOB		This is the company logo that is used on the UI, forms	REQUIRED
Company Name	CompanyName	VARCHAR	45	The client name that is used on the UI, on forms, reports etc	REQUIRED
	CoNameFont	VARCHAR	30	This field indicates the font for company name	REQUIRED
	CoNameSize	INT	2	This field indicates the font size for co name	REQUIRED
	CoNameColour	VARCHAR	20	This field indicates the colour in which the company name is to be printed (Provide colour picker in UI)	REQUIRED
Company Quote	CoQuote	VARCHAR	60	Slogan	REQUIRED
	CoQuoteFont	VARCHAR	30	This field indicates the font in which the company name is to be printed	REQUIRED
	CoQuoteSize	INT	2	This field indicates the font size in which the company name is to be printed	REQUIRED
	CoFontColour	VARCHAR	20	This field indicates the colour in which the company name is to be printed (Provide colour picker in UI)	REQUIRED
Background pictures for the login page and the 3 landing pages	LoginBackground	BLOB		Hi definition picture	REQUIRED
	CrewBackground	BLOB		Hi definition picture	REQUIRED
	ManagerBackground	BLOB		Hi definition picture	REQUIRED
	TrainingBackground	BLOB		Hi definition picture	REQUIRED
FORM/ PDF/ PRINT Header information	Department	VARCHAR	60	Information for Ui / form / printout / PDF header	REQUIRED
	HeaderRH1	VARCHAR	10	Information for Ui / form / printout / PDF header	REQUIRED
	HeaderRH2	VARCHAR	10	Information for Ui / form / printout / PDF header	REQUIRED
	HeaderRH3	VARCHAR	10	Information for Ui / form / printout / PDF header	REQUIRED
Dashboard for Crew Landing Page	CrewDash1	VARCHAR	15		REQUIRED
	CrewDash2	VARCHAR	15		REQUIRED

Commented [Dev4]: Name of the MySql table in AMIAGIV2 DB

Commented [Dev1]: Name of the field

Commented [Dev2]: Data type as defined in the table

Commented [Dev3]: Field size as defined in the table

Commented [Dev5]: Is this field required mandatorily ? (as defined in the talbe)

	CrewDash3	VARCHAR	15		REQUIRED
	CrewDash4	VARCHAR	15		REQUIRED
Dashboard for Training Landing Page	TrgDash1	VARCHAR	15		REQUIRED
	TrgDash2	VARCHAR	15		REQUIRED
	TrgDash3	VARCHAR	15		REQUIRED
	TrgDash4	VARCHAR	15		REQUIRED
Dashboard for Manager Landing Page	MgrDash1	VARCHAR	15		REQUIRED
	MgrDash2	VARCHAR	15		REQUIRED
	MgrDash3	VARCHAR	15		REQUIRED
	MgrDash4	VARCHAR	15		REQUIRED
	MgrDash5	VARCHAR	15		REQUIRED
Email User Name	EmailUser	VARCHAR	80	Email ID for sending auto emails from the application	REQUIRED
Password	EmailPass	Password	20	Encrypt to store, show password field in UI	REQUIRED
Incoming server	IncomeServer	VARCHAR	80		REQUIRED
Outgoing server	OutgoingServer	VARCHAR	80		REQUIRED
Incoming Server Type	IncomingSerType	VARCHAR	15		REQUIRED
Incoming Server IMAP	IMAP	VARCHAR	80		REQUIRED
Incoming Server POP3	POP3	VARCHAR	80		REQUIRED
Outgoing Server SMTP	SMTP	VARCHAR	80		REQUIRED
Out Server Authentication	OutSerAuthenticate	VARCHAR	3		REQUIRED
Out Server SPA	OutSerSPA	VARCHAR	15		REQUIRED

2.2 TblAuthorisations

Caption	Field Name	Data Type	Size	TblAuthorisations (MySql)	Mandatory ?
Email	Email	email ID	50	Official Email ID of the user – that is used for login	**Primary Key**
Ecode	Ecode	INT	7	Employee Code of the user	Required
User Group	Crew	YES/NO	3	User Group CREW	Required
	Manager	YES/NO	3	User Group MANAGER	Required
	Ground	YES/NO	3	User Group GROUND	Required
	Simulator	YES/NO	3	User Group SIMULATOR	Required
	Aircraft	YES/NO	3	User Group AIRCRAFT	Required
	Repository	YES/NO	3	User Group REPOSITORY	Required
	DataAdmin	YES/NO	3	User Group DATAADMIN	Required
Password	Password	Password	15	encrypted password contains at-least 8charecters of which at-least 1 cap, 1 small, 1 number and 1 special character. ***Default password for all records : Vti@123***	Required for DataAdmin **Optional for others (gmail login)**
Active	Active	YES/NO		Default is YES	Required
ResManager	ResManager	INT	7	Append ecode from Tblmanager	Required
UpdatedBy	UpdatedBy	INT	7	Auto-insert Session:Aecode	Required
UpdatedOn	UpdatedOn	VARCHAR	45	Auto-insert Date/Time Stamp	Required

Commented [Dev8]: Table Name

Commented [Dev6]: Create MySql table Table field name

Commented [Dev7]: Table data type

Commented [Dev9]: Table field criteria – is this field mandatorily required or is a blank field permitted

2.3 TblFleet

Caption	Field Name	Data Type	Size	TblFleet	Mandatory ?
Aircraft Code	AircraftCode	VARCHAR	8	Unique Value, Primary Key	**Primary Key**
Aircraft Name	AircraftName	VARCHAR	20	User input	REQUIRED

Commented [Dev10]: Insert this MySql table in Arora RDS via applicaiton

2.4 TblRatings

Caption	Field Name	Data Type	Size	TblRatings	Mandatory ?
Aircraft Code	AircraftCode	VARCHAR	8	Unique Value	**PRIMERY KEY** REQUIRED
Aircraft Name	AircraftName	VARCHAR	20	User input	REQUIRED

2.5 TblRank

Caption	Field Name	Data Type	Size	TblRank	Mandatory ?
Rank Code	RankCode	VARCHAR	5	**Add Records →Rank (RankCode) [PeckingOrder]** Intern (INTER) [25]/ Trainee First Officer (TFO) [24]/ Junior First Officer (JFO)[23]/ Executive (EXEC)[22]/ First Officer (FO) [21]/ Senior First Officer (SFO)[20] / Asst Manager (AM)[19] / Line Captain (CAPT)[18]/ Line Training Captain (LTC)[17]/ Pilot Special Duties (PSD)[16]/ Management Pilot Special Duties (MPSD) [15] / Manager (MGR)[14] / Senior Manager (S-MGR)[13] / 'Ground Instructor (GI) [12/ Type Rating Instructor - S (TRI-S) [11]/ Type Rating Instructor - A (TRI-A) [10]/ Deputy General Manager (DGM)[9]/ Designated Examiner (DE)[8] / General Manager (GM)[7]/ Asst. Chief Pilot (ACP)[6]/ Dy. Chief Pilot (DCP) [5]/ Chief Pilot (CP)[4]/ Asst. Vice President (AVP)[3] / Vice President (VP) [2]/ Senor Vice President (SVP) [1]	PRIMERY KEY REQUIRED
Pecking order	PeckingOrder	INT	2		REQUIRED
Rank	Rank	VARCHAR	45		REQUIRED

Commented [Dev11]: Recrods to be added for validation of the table and curd operations, RANK CODE IS () Pecking order is [], Rank is as indicated

2.6 TblCrew

STRUCTURE OF TblCrew									
	FieldName	**DataType**	**Size**	**Key**		**FieldName**	**DataType**	**Size**	**Key**
1	Ecode	INT	7	**Primery Key**	12	Base	VARCHAR	15	
2	Name	VARCHAR	30		13	TempAddress	VARCHAR	120	
3	Photograph	BLOB	500 kb		14	Fleet	VARCHAR	8	Foreign Key - TblFleet
4	JoiningDate	DATE			15	Rank	VARCHAR	5	Foreign Key - TblRank
5	LeavingDate	DATE			16	Ratings	VARCHAR	60	Foreign Key – TblRatings
6	EmailOfficial	Email			17	PeckingOrder	INT	2	Foreign Key - TblRank
7	EmailPersonal	Email			18	DateOfBirth	DATE		
8	PhoneMain	VARCHAR	15		19	ResManager	INT	7	Foreign Key – TblManagers
9	PhoneSecond	VARCHAR	15		20	LicenceNo	VARCHAR	15	
10	PmtAddress	VARCHAR	120		21	UpdatedBy	INT	7	Foreign Key – :TblManagers
11	Active	YES/NO	3		22	UpdatedOn	VARCHAR	30	

Commented [Dev12]: FOR ALL LINKED FIELDS (FOREIGN KEY) PROVIDE A COMBO BOX IN CRUD FORM TO PERFORM ADD, EDIT FUNCTIONS. (NOT REQUIRED FOR VIEW/DELETE FUNCTIONS.

Commented [Dev13]: This takes input from Ratings table, User can have multiple ratings, each one is stored separated with a coma (provide combo box in UI)

2.7 TblTrainer

STRUCTURE OF TblTrainer									
	FieldName	**DataType**	**Size**	**Key**		**FieldName**	**DataType**	**Size**	**Key**
1	Ecode	INT	7	**Primery Key**	14	Simulator	YES/NO	3	
2	Name	VARCHAR	30		15	TempAddress	VARCHAR	120	
3	Photograph	BLOB	500 kb		16	Fleet	VARCHAR	8	Foreign Key – Fleet
4	JoiningDate	DATE			17	Rank	VARCHAR	5	Foreign Key – Rank
5	LeavingDate	DATE			18	PeckingOrder	INT	2	Foreign Key – Rank
6	EmailOfficial	Email			19	DateOfBirth	DATE		
7	EmailPersonal	Email			20	AircraftRatings	VARCHAR	45	Foreign Key – Ratings
8	PhoneMain	VARCHAR	15		21	ResManager	INT	7	Foreign Key - :Managers
9	PhoneSecond	VARCHAR	15		22	LicenceNo	VARCHAR	15	
10	PmtAddress	VARCHAR	120		23	Authorisation	BLOB	500	
11	Active	YES/NO	3		24	Validity	DATE		
12	Ground	YES/NO	3		25	UpdatedBy	INT	7	Foreign Key – :Managers
13	Aircraft	YES/NO	3		26	UpdatedOn	VARCHAR	30	

Commented [Dev14]: FOR ALL LINKED FIELDS (FOREIGN KEY) PROVIDE A COMBO BOX IN CRUD FORM TO PERFORM ADD, EDIT FUNCTIONS. (NOT REQUIRED FOR VIEW/DELETE FUNCTIONS.

2.8

2.9 TblManager

STRUCTURE OF TblManager									
	FieldName	**DataType**	**Size**	**Key**		**FieldName**	**DataType**	**Size**	**Key**
1	Ecode	INT	7	**Primery Key**	10	PmtAddress	VARCHAR	120	
2	Name	VARCHAR	30		11	TempAddress	VARCHAR	120	
3	Photograph	BLOB	500 kb		12	Rank	VARCHAR	45	Foreign Key – Rank
4	JoiningDate	DATE			13	PeckingOrder	INT	2	Foreign Key - Rank
5	LeavingDate	DATE			14	DateOfBirth	DATE		
6	EmailOfficial	Email			15	ResManager	INT	7	Foreign Key – :Managers
7	EmailPersonal	Email			16	Active	YES/NO	3	
8	PhoneMain	VARCHAR	15		17	UpdatedBy	INT	7	Foreign Key - :Managers
9	PhoneSecond	VARCHAR	15		18	UpdatedOn	VARCHAR	30	

Commented [Dev15]: FOR ALL LINKED FIELDS (FOREIGN KEY) PROVIDE A COMBO BOX IN CRUD FORM TO PERFORM ADD, EDIT FUNCTIONS. (NOT REQUIRED FOR VIEW/DELETE FUNCTIONS.

3 New Tables that are required to be created;

Create the following NEW tables;

3.1 TblSimFormList

#	Field Name	Type	Size	Validation	DefultData	Null?
1	SimFormNo	INT	6	Auto-Number Primary Key		No
2	Aircraft	VARCHAR	8		ALL	No
3	SimCode	INT	6	Secondary Key TblSimulator:SimCode		No
4	SimFormName	VARCHAR	60	Required		No
5	FormDiscription	VARCHAR	60	Required		No
6	SimDuration	H:MM		Hour : Minutes Minimum 0:30, max 8:00		
7	TC	YES/NO	3	Required		No
8	NtcEvaluation	YES/NO	3	Required		No
10	Remarks	YES/NO	3	Required		No
11	Result	YES/NO	3	Required		No
12	AddlRemarks	YES/NO	3	Required		No
13	Info	VARCHAR	3000	Required		No
14	Validity	INT	4	Required		No
15	PDF	BLOB	500	Required		No
16	UpdatedOn	VARCHAR	30	DATE/TIME STAMP		No
17	UpdatedBy	INT	6	Secondary Key TblManager: Ecode		No

3.2 TblSimFormTc

1	SimFormNo	INT	6	Foreign Key TblSimFormList		No
2	TcCode	INT	6	Foreign Key TblTcList		No
4	UpdatedOn	VARCHAR	30	DATE/TIME STAMP		No
5	UpdatedBy	INT	6	Secondary Key TblManager: Ecode		No

3.3 TblSimulator

#	Field Name	Type	Size	Validation	DefultData	Null?
1	SimCode	INT	6	Auto-Number PrimaryKey		No
2	AircraftCode	VARCHAR	8	Secondary Key TblFleet		No
3	SimType	VARCHAR	20	Required		No
4	SimCo	VARCHAR	20	Required		No
5	Location	VARCHAR	20	Required		No
6	Registration	VARCHAR	20	Required		No
7	Approval	BLOB	500KB	Required		No
8	ValidFrom	DATE		DDMMMYYYY		No
9	ValidTo	DATE		DDMMMYYYY		No
10	ResManager	INT	8	Secondary Key TblManager:Ecode		No
11	UpdatedOn	VARCHAR	30	DATE/TIME STAMP		No
12	UpdatedBy	INT	6	Secondary Key TblManager: Ecode		No

3.4 TblTcList

#	Field Name	Type	Size	Validation	DefultData	Null?
1	TcCode	INT	11	Auto-Number Primary Key		No
3	Phase	ENUM	15	1.Briefing/2.Preflight/3.Startup/4.Taxi/5.Takeoff/6.Climb/7.Cruise/ 8.Descent/9.Approach/10.Landing/11.PostFlight		
4	TcName	VARCHAR	60	Required		No
5	TcShortName	VARCHAR	15	Required		No
6	UpdatedOn	VARCHAR	30	DATE/TIME STAMP		No
7	UpdatedBy	INT	6	Secondary Key TblManager: Ecode		No

3.5 TblSimRecord

#	FieldName	Type	Size	Validation	DefaultData	Null ?
1	SimRecordNo	INT	8	AutoNumber Primery Key		no
2	SimDate	Date		DD MMM YYYY	DATE()	NO
3	Fleet	VARCHAR	8	Foreign Key Tbl Fleet		NO
4	SimFormNo	INT	6	Foreign Key TblSimFormList		NO
	SimFormName	VARCHAR	60			
5	FormDiscription	VARCHAR	60			NO
6	Duration	H:MM				NO
7	Validity	INT	4			NO
8	Info	VARCHAR	3000			NO
9	SimCode	INT	6	Foreign Key TblSimulator		NO
10	SimType	VARCHAR	20			NO
11	SimCo	VARCHAR	20			NO
12	Location	VARCHAR	20			NO
13	Registration	VARCHAR	20			NO
14	TEcode	INT	7	Foreign Key TblTrainer		NO
15	TLicenceNo	VARCHAR	15			NO
16	TRank	VARCHAR	5			NO
17	TName	VARCHAR	30			NO
18	TeEcode	INT	7	Foreign Key TblCrew		NO
19	TeLicenceNo	VARCHAR	15			NO
20	TeRank	VARCHAR	5			NO
21	TeName	VARCHAR	30			NO
22	Remarks	VARCHAR	500			
23	Result	VARCHAR	20			
24	CalScore	FLOAT	3			
25	TrainerSign	TEXT				
26	TraineeSign	TEXT				
27	Active	YES/NO	3		YES	
28	Reviewed	ENUM	15	Reviewed / Pending	Pending	
29	ValidTill	DATE				
30	ReviewDate	Date				
31	ManagerReview	VARCHAR	100			
32	MEcode	INT	6	Foreign Key TblManager		
33	ManagerSign	TEXT				

3.6 TblSimTcRecord

#	FieldName	Type	Size	Validation	DefaultData	Null
1	SimRecordNo	INT	8	Foreign Key – TblSimRecord		no
2	TcCode	INT	11	Foreign Key – TblSimTcList		No
3	Ecode	INT	6	Foreign Key – TblCrew		No
3	Phase	ENUM	15	1.Briefing/2.Preflight/3.Startup/4.Taxi/5.Takeoff/6.Climb/7.Cruise/ 8.Descent/9.Approach/10.Landing/11.PostFlight		No
4	TcName	VARCHAR	60	Required		No
5	TcShortName	VARCHAR	15	Required		No
6	Remarks	Varchar	60			
7	Score	INT	1	Number between 1 to 5	2	No
6	UpdatedOn	VARCHAR	30	DATE/TIME STAMP		No
7	UpdatedBy	INT	6	Secondary Key TblManager: Ecode		No

3.8 TblsimNTCRecord

#	FieldName	Type	Size	Validation	DefaultData	Null ?
1	SimRecordNo	INT	8	Foreign Key – TblSimRecord		no
2	Ecode	INT	6	Foreign Key – TblCrew		No
3	Knowledge	VARCHAR	300			No
4	Skill	VARCHAR	300			No
5	Attitude	VARCHAR	300			No
6	APP	INT	1		2	No
7	COM	INT	1		2	No
8	FPA	INT	1		2	No
9	FPM	INT	1		2	No
10	LTW	INT	1		2	No
11	PDM	INT	1		2	No
12	SAW	INT	1		2	No
13	WLM	INT	1		2	No
14	TKN	INT	1		2	No
15	CAL	INT	1		2	No
16	UpdatedOn	VARCHAR	30	DATE/TIME STAMP		No

17	UpdatedBy	INT	6	Secondary Key TblManager: Ecode		No

4 User Interfaces

4.1 UiTcListCRUD

Location – Manager MAIN-MENU, Manage TC SUB-MENU, Only user with manager / data admin privileges can access

Provide a standard CRUD form to ADD, EDIT, VIEW & DELETE the contents of TblTcList

Form shall have a search window, a add record button on the top

After that all records will be listed (all fields except updatedby and updatedon

Provide search window to enable user to enter characters to filter records list,

Provide VIEW,EDIT,DELETE button at the end of each record – to perform each function

Provide option to save list or save each record as PDF. PDF shall have a standard header and footer as per rules.

Provide option to print the list / record

4.2 UiSimulatorCRUD

Location – Manager MAIN-MENU, Manage Simulator SUB-MENU, Only user with manager / data admin privileges can access

Provide a standard CRUD form to ADD, EDIT, VIEW & DELETE the contents of TblSimulator

Form shall have a search window, a add record button on the top

After that all records will be listed (all fields except updatedby and updatedon

Provide search window to enable user to enter characters to filter records list,

Provide VIEW,EDIT,DELETE button at the end of each record – to perform each function

Provide option to save list or save each record as PDF. PDF shall have a standard header and footer as per rules.

Provide option to print the list / record

4.3 UiNtcListCRUD

Location – Manager MAIN-MENU, Manage NTC SUB-MENU, Only user with manager/ data admin privileges can access

Provide a standard CRUD form to ADD, EDIT, VIEW & DELETE the contents of TblNtcList

Form shall have a search window, a add record button on the top

After that all records will be listed (all fields except updatedby and updatedon

Provide search window to enable user to enter characters to filter records list,

Provide VIEW,EDIT,DELETE button at the end of each record – to perform each function

Provide option to save list or save each record as PDF. PDF shall have a standard header and footer as per rules.

Provide option to print the list / record

4.4 UIBuildSimForm

Location: Manager MAIN-MENU Build Simulator Form SUB-MENU

Screen Title : Build Simulator Form

Secondary Authentication: Check users email id (stored as aemail during login) in the validation page, if Manager = YES, load this Ui otherwise show Message Window 'Access Denied !' and exit to main menu

***** the following screen is shown to the user when 'Build Simulator Form' SUB-MENU is selected from the Manager MAIN-MENU. NOTE : THE HEADER & FOOTER WILL BE SHOWN IN EACH PAGE / SCREEN / PRINT'

Build Simulator Form

Echo in message window "Enter the Name for this Simulator Form:"

Echo in message window "Enter Fleet to which this form is applicable to, Training Description and Sim Duration"

Form Number:	Fleet:	Sim Type:	Sim Location:	Sim Registration:

Trainer Ecode:	Licence Number:	Rank:	Name:
Trainee Ecode:	**Licence Number:**	**Rank:**	**Name:**

Commented [Dev16]: TblClient:CoLogo

Commented [Dev18]: TblClient : HEADERRH1
HeaderRH2
HeaderRH3

Commented [Dev17]: TblClient: CompanyName

Commented [Dev19]: Message Window provides instructions to the user as to how to complete the form, once the user completes the field, the message window disappears and fields are neatly packed as a Justified Form.

Commented [Dev20]: Obtain aFormName VARCHAR 60 Required, No Null
Display in bold Font 14, Centre, remove message window once the user completes the entry.

Commented [Dev21]: Message window disappears when the user starts entering data into the box bellow.

Commented [Dev22]: FIELD NOT MODIFIABLE BY USER
Use TblSimFormList
Goto the last record
Display aFormNo (= FormNo of the last record + 1)
ADD BLANK RECORD TO TbLSimFormList
Replace SimFormNo with aFormNo
Replace SimFormName with aFormName

Commented [Dev23]: Provide switch (ALL – ONE) – USER HAS TO SELECT ONE:
If ALL is selected aFleet = ALL
OR
If one is selected SHOW combobox → Fleet : AircraftCode, AircraftName, For the record that is selected by the user store AircraftCode as aFleet
ONCE SELECTION DONE
Use TblSimFormList GOTO last record and replace Aircraft with aFleet

Commented [Dev24]: FOLLOWING FIELDS ARE NOT MODIFIABLE BY USER – Sim Type:, Sim Location, Sim Registration, Trainer Ecode, Licence Number, Rank, Name, Trainee Ecode, Licence Number, Rank, Name, Date.

Date:	Validity of this sim course/check:	Sim Duration:
	-	H:MM

Training Description:

-

ECHO in message window "Does this form have Technical competencies ?" get user input – options YES / NO.

If Yes show the following tabs

1.Briefing 2.Preflight 3.Startup 4.Taxi 5.Takeoff 6.Climb 7.Cruise 8.Descent 9.Approach 10.Landing 11.PostFlight

For each tab show the following table, (all records in table TcList for the selected phase is listed) user can choose as to which of these can be added to this form by operating the YES/NO switch at the end of each record.)

Technical competency (TC) Description/ Name	TC Short Name	Add to Form ?
List TblTcList : TcName for phase = aphase	List TblTcList : TcShortName for phase = aphase	Provide Yes/No switch for each record, Default No

ECHO in message window "Does this form Evaluate Non-Technical competencies ?"get user input – options YES / NO. If YES show the following;

Knowledge	APP/TKN
Skill	FPA/FPM
Attitude	COM/LTW/PDM/SAW/WLM

APP	COM	FPA	FPM	LTW	PDM	SAW	WLM	TKN	CAL
-									

ECHO Message Window 'Do you want a remarks box for this form ' provide options YES / NO, if YES show the following;

Remarks:

Commented [Dev25]: User has to enter – aValidity
INT 4, Required, no null
Use TblSimFormList goto last record,
replace Validity with aValidity

Commented [Dev26]: User has to enter a duration in hour and minutes – minimum 0:30 and maximum 8:00, Required, no null
Use TblSimFormList goto last record, replace duration with the value entered by the user.

Commented [Dev27]: User has to enter – aFormDiscription VARCHAR 60, Required, no null
Use TblSimFormList goto last record, replace FormDiscription with aFormDiscription

Commented [Dev28]: Messge window – get variable aTc

Commented [Dev29]: If Yes is selected, TblSimFormList : TC = yes

Commented [Dev30]: Selected Tab = a Phase

Commented [Dev31]: For all records that the user chooses yes, add separate records to TblSimFormTc
SimFormNo = aFormNo
TcCode = TblTclist : TcCode for the selected record

Commented [Dev32]: If YES is selected TblSimFormList : NtcEvaluation = YES

Commented [Dev33]: Provide grade slider – user can select a value between 1 to 5. This is for reference as to how the form will appear, no variable is stored

Commented [Dev34]: If yes is selected, TblSimFormList : Remarks = Yes
Show the remarks box

☐ Satisfactory	☐ Unsatisfactory

Training / Check has been completed in accordance to the details mentioned overleaf.

Trainees Signature	*Trainers Signature*

Enter the designated manager who is responsible for this form:

Ecode	Rank	Name

Commented [Dev35]: Provide combobox, display records from TblManager: Ecode, Rank, Name, user has to select one record, update the fields with the record selected by the user. Update TblSimFormList : ResManager with the Ecode selected by the user. Store Ecode as aEcode

ECHO message window 'Enter the regulatory information that will be displayed on the form:'

Commented [Dev36]: The information entered by the user is stored in TblSimFormList : Info
Required, VARCHAR 3000 Justified with provision to add box type tables

Management Review

Ecode		
Name		
Designation		
Date		Signature

SAVE FORM

DISCARD FORM

4.5 UiViewSimForm

Location – Manger MAIN-MENU, View Sim Form SUB-MENU, USER WITH MANAGER/ DATAADMIN PRIVILIGES CAN ACCESS

2nd Location - Same form is also available in SIMULATOR MAIN-MENU, View Sim Form SUB-MEU, USER WITH SIMULATOR PRIVILIGES CAN ACCESS

*** provide a list of forms by displaying the following fields in list view :- TblSimFormList : SimFormNo, Aircraft, SimFormName. Provide view button at the end.

Display the selected record (with data from TblSimFormList, TblTcList, TblNtcList etc relevant tables) exactly in the same format as UiBuildSimForm, USER CANT EDIT any data in this UI

User can View form on screen, Save form as PDF and also have an option to print the form

4.6 UiEditSimForm

Location – Manger MAIN-MENU, View Sim Form SUB-MENU, USER WITH MANAGER/ DATAADMIN PRIVILIGES CAN ACCESS

*** provide a list of forms by displaying the following fields in list view :- TblSimFormList : SimFormNo, Aircraft, SimFormName. Provide EDIT button at the end.

Display the selected record (with data from TblSimFormList and associated tables) exactly in the same format as UiBuildSimForm, USER CAN EDIT ALL FIELDS EXCEPT PRIMERY KEY OF TblSimFormList

User can View form on screen, Save form as PDF and also have an option to print the form

4.7 UiConductSimForm

Location – Simulator MAIN-MENU Conduct Sim SUB-MENU

Commented [Dev37]: IF SAVE FORM is selected, save the data in the respective tables as detailed above. UpdatedBy = ecode of the current user (login info), updatedOn = date/time stampe, create pdf as per the next page, prompt user to save. Send form/pdf to the ResManager (TblManager :EmailOfficial for ecode = aecode
CREATE PDF same format as above (remove coments Exit to main menu & buttons), prompt user to save / print.
Save pdf form in PDF column of the record
If DISCARD FORM is selected, delete the record from (last record) from TblSimFormList
Exit to main menu

Commented [Dev38]: Footer – to be shown at the end of each page
PAGE = A4, POTRAIT

*** FOLLOWING UI is shown when user selects " Conduct Simulator" SUB-MENU under Simulator MAIN-MENU

Secondary authentication

Check current session users email ID in TblAuthorisations

Show this Ui in case SIMULATOR = YES for the current user

Else Warning Window 'Access Denied !!!' for 5 seconds and exit to main menu

Commented [Dev39]: Coding instructions – This box is not shown on screen !

Conduct Simulator

Select Sim Date:	-
Select Simulator Form:	-
Select Aircraft	-
Select Simulator:	-
Select Trainer:	-
Select Trainee 1:	-

(+) ADD ANOTHER TRAINEE ?

Select Trainee 2:	-

Once the input are received, use TblSimRecord append values to a new record (for trainee 1), store SimRecordNo(auto-number previous record +1) as t1SimRecordNo & store t1ecode as teecode

IF TRAINEE2 = YES → Use TblSimRecord append values to a new record (for trainee 2), store SimRecordNo (auto-number previous record +1) as t2SimRecordNo & store t2ecode as teecode

.. clear screen and display the following form;

-	-	-

-

Form No:	Fleet	Sim type	SimCo	Location	Registration
aSimFormNo	aAircraft	aSimType	aSimCo	aLocation	aRegistration

Trainer Ecode:	Licence Number:	Rank:	Name:
tEcode	tLicenceNo	tRank	tName
Trainee1 Ecode:	**Licence Number:**	**Rank:**	**Name:**
t1Ecode	t1LicenceNo	t1Rank	t1Name
Trainee2 Ecode:	**Licence Number:**	**Rank:**	**Name:**
t2Ecode	t2LicenceNo	t2Rank	t2Name

Date:	Training Discription:	Sim Duration:
Adate	AFormDiscription	aSimDuration

*********IF ATC = YES, CLEAR SCREEN, SHOW THE FOLLOWING***

Use TblSimTcList sort on [SimRecordNo, Phase] - ascending, use TblSimTcRecord, append from TblSimTcList for SimFormNo = aSimFormNo, for all records replace all SimRecordNo with aSimRecordNo & REPLACE Ecode with t1ecode.

Commented [Dev40]: Heading as seen by the user on the screen

Commented [Dev41]: Show date picker, default today, store the date that is selected as aDate (format DD MMM YYYY)

Commented [Dev42]: Use TblSimFormList, sort on Aircaft, SimFormName (Ascending)
Provide a combo box to show records from TblSimFormList : SimFormName FOR Aircraft = Afleet -or- Aircraft = All
For selected record, store
Field ...

Commented [Dev43]: Use fleet, sort on AircraftCode ascending.

If TAircraft = ALL show COMBOBOX and records from TblFleet, show fields AircraftCode, AircraftName, for the record that is selected store AircraftCode as aAircraft and store AircraftName as aAircraftName

If TAircraft #all
aAircraft = TAircraft

Commented [Dev44]: Use TblSimulator, sort on AircraftCode, SimCo ascending. ...

Commented [Dev45]: SHOW COMOBO-BOX to select record from TblTrainer, show Ecode, LicenceNo, Rank, Name for Active = YES .and. Simulator = YES ...

Commented [Dev46]: SHOW COMBO-BOX select record from TblCrew show fields Ecode, LicenceNo, Rank, Name for active = YES. For the record that is selected ...

Commented [Dev47]: Provide a button to enable user add another trainee if this button is pressed, Store variabl ...

Commented [Dev48]: SHOW COMBO-BOX select record from TblCrew show fields Ecode, LicenceNo, Rank, Name for active = YES. For the record that is selected ...

Commented [Dev49]: HEADER
TblClient:CoLogo

Commented [Dev51]: TblClient : HEADERRH1
HeaderRH2
HeaderRH3

Commented [Dev50]: TblClient: CompanyName

Commented [Dev52]: Echo aSimFormName
Font bold size 14

Commented [Dev53]: SHOW THESE TWO ROWS ONLY IF TRAINEE2=YES

If trainee2 = YES

Use TblSimTcRecord append from TblSimTcList for SimFormNo = aSimFormNo, for all records replace all SimRecordNo with (aSimRecordNo + 1) & REPLACE Ecode with t2ecode.

.. show the following tabs

1.Briefing 2.Preflight 3.Startup 4.Taxi 5.Takeoff 6.Climb 7.Cruise 8.Descent 9.Approach 10.Landing 11.PostFlight

When a tab is selected, aphase = tabname ; For each tab show the following table,

TRAINEE 1		TRAINEE 2	
Technical Competency	**Score**	**Technical Competency**	**Score**
List TblSimTcRecord : TcName for SimRecordNo = aSimRecordNo & phase = aphase & ecode = t1ecode If Score = 1,4 or 5 show remarks window, user can enter remarks VARCHAR 60, store as t1RemTc	**Slider 1-5**	**List TblSimTcRecord : TcName for SimRecordNo = (aSimRecordNo + 1) & phase = aphase & ecode = t2ecode If Score = 1,4 or 5 show remarks window, user can enter remarks VARCHAR 60, store as t2RemTc**	**Slider 1-5**

User can flip between different tabs to update/ revise the score for both the trainees

****

********** **If aNtcEvaluation = YES, clear the screen, show the following table**

	TRAINEE 1	TRAINEE 2
Knowledge	APP/TKN	APP/TKN
Skill	FPA/FPM	FPA/FPM
Attitude	COM/LTW/PDM/SAW/WLM	COM/LTW/PDM/SAW/WLM

TRAINEE 1:

APP	COM	FPA	FPM	LTW	PDM	SAW	WLM	TKN	CAL
-t1app	t1com	t1fpa	t1fpm	t1ltw	t1pdm	t1saw	t1wlm	t1tkn	-

TRAINEE 2:

Commented [Dev54]: Selected Tab = a Phase

Commented [Dev55]: SHOW THIS COLUMN IF TRAINEE2 = YES

Commented [Dev56]: When score is updated for each record;
Use TblSimTcRecord Update score with the users input, if score is 1,4,5 update remarks with t1RemTc

Commented [Dev57]: When score is updated for each record;
Use TblSimTcRecord Update score with the users input, if score is 1,4,5 update remarks with t2RemTc

Commented [Dev58]: Show this only if TRAINEE2 = YES

Commented [Dev59]: USER CAN INPUT TEXT OR WRITE ON TOUCH SCREEN / MOUSE
STORE INPUT AS T1K

Commented [Dev60]: USER CAN INPUT TEXT OR WRITE ON TOUCH SCREEN / MOUSE
STORE INPUT AS T2K

Commented [Dev61]: USER CAN INPUT TEXT OR WRITE ON TOUCH SCREEN / MOUSE
STORE INPUT AS T1S

Commented [Dev62]: USER CAN INPUT TEXT OR WRITE ON TOUCH SCREEN / MOUSE
STORE INPUT AS T2S

Commented [Dev63]: USER CAN INPUT TEXT OR WRITE ON TOUCH SCREEN / MOUSE
STORE INPUT AS T1A

Commented [Dev64]: USER CAN INPUT TEXT OR WRITE ON TOUCH SCREEN / MOUSE
STORE INPUT AS T2A

Commented [Dev65]: Provide grade slider – user can select a value between 1 to 5.
USE TblNtcRecord
Append new record
SimRecordNo = aSimRecordNo
Ecode = t1ecode
Knowledge = T1K
Skill = T1S
Attitude = T1A
APP = T1APP
COM = T1COM
FPA = T1FPA
FPM = T1FPM

Commented [Dev66]: SHOW THIS ONLY IF TRAINEE2 = YES

APP	COM	FPA	FPM	LTW	PDM	SAW	WLM	TKN	CAL
-T2app	t2com	t2fpa	t2fpm	t2ltw	t2pdm	t2saw	t2wlm	t2tkn	-

If aRemarks = YES, show the following

Remarks for Trainee 1:	Remarks for Trainee 2:
-t1rmk	t2rmk

If aResult = YES

☐ Satisfactory	☐ Unsatisfactory	☐ Satisfactory	☐ Unsatisfactory

Training / Check has been completed in accordance to the details mentioned overleaf.

Clear Screen – show the following windows to capture the signatures of the trainer and both the trainees

tsign *Trainers Signature*	
t1sign *Trainees Signature*	t2sign *Trainers Signature*

ECHO aINFO

-

Commented [Dev67]: Provide grade slider – user can select a value between 1 to 5 for EACH BOX
.
USE TblNtcRecord
Append new record
SimRecordNo = aSimRecordNo + 1
Ecode = t2ecode
Knowledge = T2K
Skill = T2S
Attitude = T2A
APP = T2APP
COM = T2COM
FPA = T2FPA
FPM = T2FPM
LTW = T2LTW
PDM = T2PDM
SAW = T2SAW
WLM = T2WLM
TKN = T2TKN
=== CALCULATION FOR CAL

Commented [Dev68]: Show this column only if TRIANEE2 = YES

Commented [Dev69]: Use TblSimFormRecord replace remakrs with t1rmk for SimRecordNo = aSimRecordNo & Ecode = t1ecode

Commented [Dev70]: Use TblSimFormRecord replace remarks with r2rmk for SimRecordNo = aSimRecordNo+ 1 & Ecode = t2ecode

Commented [Dev71]: User ticks one of these boxes
If Satisfactory is ticked, use TblSimFormRecord
Replace Result with 'Satisfactory' for SimRecordNo = aSimRecordNo
If UnSatisfactory is ticked, use TblSimFormRecord

Commented [Dev72]: User ticks one of these boxes
If Satisfactory is ticked, use TblSimFormRecord
Replace Result with 'Satisfactory' for SimRecordNo = aSimRecordNo + 1
If UnSatisfactory is ticked, use TblSimFormRecord

Commented [Dev73]: Use TblSimFormRecord
Replace trainer sign with tsign for SimRecordNo = aSimRecordNo
Replace trainer sign with tsign for SimRecordNo = aSimRecordNo + 1

Commented [Dev74]: Show this column ONLY IF TRAINEE2 = YES

Commented [Dev75]: Echo aInfo
Justified

SAVE FORM

DISCARD FORM

© AmiAgi ATMS (Year)	Authority : TblClient:Department	Retrieved on (date/time stamp)

GENERATE PDF AS PER THE FOLLOWING FORMAT:

Commented [Dev76]: IF SAVE FORM is selected, save the data in the respective tables as detailed above. UpdatedBy = ecode of the current user (login info), updatedOn = date/time stampe, create pdf as per the next page,

IF DISCRAD FORM is selected
Use TblSimForm Record
Delete record for SimRecordNo = aSimRecordNo
If TRAINEE2 = YES
Delete record for SimRecordNo = aSimRecordNo + 1

Use TblSimTCRecord
Delete records for SmRecordNo = aSimRecordNo
If TRAINEE2 = YES
Delete record for SimRecordNo = aSimRecordNo + 1

Use TblNtcRecord
Delete record for SimRecordNo = aSimRecordNo
If TRAINEE2 = YES
Delete Record for SimRecordNo = aSimRecordNo + 1

Commented [Dev77]: Footer – to be shown at the end of each page
PAGE = A4, POTRAIT

Form No:	Fleet	Sim type	SimCo	Location	Registration
aSimFormNo	aAircraft	aSimType	aSimCo	aLocation	aRegistration

Trainer Ecode:	Licence Number:	Rank:	Name:
tEcode	tLicenceNo	tRank	tName
Trainee1 Ecode:	**Licence Number:**	**Rank:**	**Name:**
t1Ecode	t1LicenceNo	t1Rank	t1Name

Date:	Training Discription:	Sim Duration:
Adate	AFormDiscription	aSimDuration

*********IF ATC = YES*

1. Briefing:

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 1.Briefing & Ecode = t1ecode

2. PreFlight:

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 2.PreFlight & Ecode = t1ecode

3. Startup

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 3.Startup & Ecode = t1ecode

4. Taxi

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 4.Taxi & Ecode = t1ecode

5. Takeoff

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 5.Takeoff & Ecode = t1ecode

6. Climb

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 6.Climb & Ecode = t1ecode

7. Cruise

Commented [Dev78]: HEADER
TblClient:CoLogo

Commented [Dev80]: TblClient : HEADERRH1
HeaderRH2
HeaderRH3

Commented [Dev79]: TblClient: CompanyName

Commented [Dev81]: Echo aSimFormName
Font bold size 14
Centered

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 7.Cruise & Ecode = t1ecode

8. Descent

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 8.Descent & Ecode = t1ecode

9. Approach

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 9.Approach & Ecode = t1ecode

10. Landing

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 10.Landing & Ecode = t1ecode

11. PostFlight

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo & Phase = 11.PostFlight & Ecode = t1ecode

********** If aNtcEvaluation = YES**

Knowledge	*T1K*	*APP/TKN*
Skill	*T1S*	*FPA/FPM*
Attitude	*T1A*	*COM/LTW/PDM/SAW/WLM*

APP	COM	FPA	FPM	LTW	PDM	SAW	WLM	TKN	CAL
t1app	t1com	t1fpa	t1fpm	t1ltw	t1pdm	t1saw	t1wlm	t1tkn	t1CAL

If aRemarks = YES

Remarks for Trainee 1:

t1rmk

If aResult = YES

☐ **Satisfactory** ☐ **Unsatisfactory**

Training / Check has been completed in accordance to the details mentioned overleaf.

Clear Screen – show the following windows to capture the signatures of the trainer and both the trainees

tsign *Trainers Signature*	*t1sign* *Trainees Signature*

*************ENSURE THAT THE ABOVE PORTION IS COMPLETED WITHIN 1 PAGE*

Echo aInfo

SAVE FORM

PRINT FORM

Commented [Dev83]: Tick the relevant box based on TblSimFormRecord : Result for SimRecordNo = aSimRecordNo

Commented [Dev84]: Echo aInfo
Justified

Commented [Dev85]: GENERATE PDF
EMAIL PDF TO TEmailOfficial, T1EmailOfficial
Subject : Simulator training record

IF SAVE FORM is selected PROMPT USER TO SAVE PDF
IF PRINT FORM IS SELECTED PROMPT USER TO PRINT PDF

AFTER SELECTION, EXIT TO MAIN MENU

Commented [Dev86]: Footer – to be shown at the end of each page
PAGE = A4, POTRAIT

If TRINEE 2 = YES, GENERATE 1 MORE PDF FOR TRAINEE 2 AS FOLLOWS

Form No:	Fleet	Sim type	SimCo	Location	Registration
aSimFormNo + 1	aAircraft	aSimType	aSimCo	aLocation	aRegistration

Trainer Ecode:	Licence Number:	Rank:	Name:
tEcode	tLicenceNo	tRank	tName
Trainee1 Ecode:	**Licence Number:**	**Rank:**	**Name:**
t2Ecode	t2LicenceNo	t2Rank	t2Name

Date:	Training Discription:	Sim Duration:
Adate	AFormDiscription	aSimDuration

*********IF ATC = YES*

1. Briefing:

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 1.Briefing & Ecode = t2ecode

2. PreFlight:

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 2.PreFlight & Ecode = t2ecode

3. Startup

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 3.Startup & Ecode = t2ecode

4. Taxi

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 4.Taxi & Ecode = t2ecode

5. Takeoff

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 5.Takeoff & Ecode = t2ecode

6. Climb

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 6.Climb & Ecode = t2ecode

Commented [Dev87]: HEADER
TblClient:CoLogo

Commented [Dev89]: TblClient : HEADERRH1
HeaderRH2
HeaderRH3

Commented [Dev88]: TblClient: CompanyName

Commented [Dev90]: Echo aSimFormName
Font bold size 14
Centered

7. Cruise

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 7.Cruise & Ecode = t2ecode

8. Descent

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 8.Descent & Ecode = t2ecode

9. Approach

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 9.Approach & Ecode = t2ecode

10. Landing

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 10.Landing & Ecode = t2ecode

11. PostFlight

Use TblSimTcRecord. List TcName, [If Score is 1,4 or 5 → List Remarks below TcName], Score for SimRecordNo = aSimRecordNo+1 & Phase = 11.PostFlight & Ecode = t2ecode

********** If aNtcEvaluation = YES**

Knowledge	*T2K*								*APP/TKN*
Skill	*T2S*								*FPA/FPM*
Attitude	*T2A*								*COM/LTW/PDM/SAW/WLM*
APP	**COM**	**FPA**	**FPM**	**LTW**	**PDM**	**SAW**	**WLM**	**TKN**	**CAL**
t2app	t2com	t2fpa	t2fpm	t2ltw	t2pdm	t2saw	t2wlm	t2tkn	t2CAL

If aRemarks = YES

Remarks for Trainee 1:
t2rmk

☐ Satisfactory ☐ Unsatisfactory

Training / Check has been completed in accordance to the details mentioned overleaf.

Clear Screen – show the following windows to capture the signatures of the trainer and both the trainees

tsign *Trainers Signature*	*t2sign* *Trainees Signature*

*************ENSURE THAT THE ABOVE PORTION IS COMPLETED WITHIN 1 PAGE*

Echo aInfo

SAVE FORM

PRINT FORM

Commented [Dev91]: Tick the relevant box based on TblSimFormRecord : Result for SimRecordNo = aSimRecordNo +1

Commented [Dev92]: Echo aInfo
Justified

Commented [Dev93]: GENERATE PDF
EMAIL PDF TO TEmailOfficial, T2EmailOfficial
Subject : Simulator training record

IF SAVE FORM is selected PROMPT USER TO SAVE PDF
IF PRINT FORM IS SELECTED PROMPT USER TO PRINT PDF

AFTER SELECTION, EXIT TO MAIN MENU

Commented [Dev94]: Footer – to be shown at the end of each page
PAGE = A4, POTRAIT

4.8 SimRecordCrudM

For manager to review, view, delete, print

Location: Manager MAIN-MENU & Manage Sim Records SUB-MENU

Provide search window to filter records

Use TblSimRecord

ECHO Caption - Date, Sim-Course, Trainer, Trainee, Result, Score

List – SimDate, SimFormName, TName, TeName, Result, CalScore, Reviewed SELECT ***(show a select button against each record)***

When user selects any record, clear screen

ECHO:SimFormName							
Record No:	***Date:***	***Fleet***	***SimCo***	***Location***	***Registration***	***Trainer***	***Trainee***
ECHO:Remarks							
Result	***Cal-Score***	***Valid-Till***	***Days to Expiry***	***Review Date***	***Manager***	***Review***	

ECHO **Select the action that you want to perform on the above record:**

VIEW FORM	DELETE FORM	REVIEW FORM	PRINT FORM	SAVE FORM	EXIT

IF view form / PRINT FORM / SAVE FORM is selected
Generate PDF – Similar to the process adopted in 'Conduct Simulator' UI
IF VIEW FORM has been selected →Display PDF form to the user
If PRINT FORM has been selected → provide an option to print the PDF
If SAVE FORM has been selected → provide an option to save the PDF
Exit to main menu

If delete form is selected
Show re-confirmation window YES/NO
If re-confirmation = YES,
Go to the record
Replace active with NO
Note: DO NOT DELETE THE RECORD

If Review Form is selected
Clear screen
Generate PDF – Similar to the process adopted in 'Conduct Simulator' UI
Display PDF to the user
Show the following table and obtain user inputs

Manager Name	display combo box – show records from TblManager: Ecode, Rank, Name. For record that is selected store ecode as mgecode. Display Ecode, Rank, Name for the selected record.
Review Date	Show date picker, default todays date. Store value as rdate
Review	Show text box or box where user can enter script VARCHAR 100, Required. Store input as mreview
Review Valid Till	show default date which is SimDate + Validity, user can edit – if user wants to edit, show date picker. Store value as mvalid
Signature	show signature window for manager to sign. Store value as msign

SAVE FORM

EXIT WITHOUT SAVING

Commented [Dev95]: If SAVE FORM is selected
Select TblSimFormRecord, goto record
Replace Reviewed with 'Reviewed'
Replace validtill with mvalid
Replace mecode with mgecode
Replace Review date with rdate
Replace ManagerReview with mreview
Replace ManagerSign with msign
EXIT TO MAIN MENU

IF EXIT WITHOUT SAVING IS SELECTED
EXIT TO MAIN MENU

4.9 UiSimDVC

Similar to Qualification DVC

& Merge both qualification DVC and Sim DVC