

รายการอ้างอิง

ภาษาไทย

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ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย



ภาคผนวก

ศูนย์วิทยทรัพยากร
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ภาคผนวก ก

การออกแบบระบบนำเข้านำเสนอ

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SCREEN INPUT LAYOUT

Employee	ID no.	<input type="text"/>
Long name	<input type="text"/>	
User name	<input type="text"/>	
Position Code	<input type="text"/>	Level <input type="checkbox"/> Authorize <input type="checkbox"/>
Salary	<input type="text"/>	Hour rate <input type="text"/>
Status	<input type="checkbox"/>	

User name ***** Date **/**/**

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**SCREEN INPUT LAYOUT****Position**

Position Code xxx

Position Description

User name ***** Date **/**/**

SCREEN INPUT LAYOUT**Password** User name *****New Password

User name ***** Date **/**/**

SCREEN INPUT LAYOUT

Project Project ID *****

Project company name

Business Type

Contract name Telephone

Project manager xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hardware OS Software

S/W price Total days Start date Finish date Colletion date

Detail Status

Total Project Estimate **,***,*****

System/Module	Activity	Duration	Start date	Finish date	Position	Assign	Hour Rate
-----	-----	---	__/__/__	__/__/__	---	_____XXXXXXXX	x,xxx.xx
-----	-----	---	__/__/__	__/__/__	---	_____XXXXXXXX	x,xxx.xx
-----	-----	---	__/__/__	__/__/__	---	_____XXXXXXXX	x,xxx.xx
-----	-----	---	__/__/__	__/__/__	---	_____XXXXXXXX	x,xxx.xx
-----	-----	---	__/__/__	__/__/__	---	_____XXXXXXXX	x,xxx.xx

User name ***** Date **/**/**

SCREEN INPUT LAYOUT

Daily

User name _____

Project ID.	System/Module	Activity	Action	Date	Effort	Status
xxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	-----	xx/xx/xx	---	-
xxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	-----	xx/xx/xx	---	-
xxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	-----	xx/xx/xx	---	-
xxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	-----	xx/xx/xx	---	-
xxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	-----	xx/xx/xx	---	-
xxxxxxx	xxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxx	-----	xx/xx/xx	---	-

User name *****	Date **/**/**
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SCREEN INPUT LAYOUT

Progress Update Project xxxxxx *****

Total days xxx Start date xx/xx/xx Finish date xx/xx/xx

<-----Plan-----> <----- Actual ----->

System/Module	Activity	%	Status	Remain	Start	Finish	Start	Finish
xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	---	x	-9	xx/xx/xx	xx/xx/xx	xx/xx/xx	xx/xx/xx
xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	---	x	-9	xx/xx/xx	xx/xx/xx	xx/xx/xx	xx/xx/xx
xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	---	x	-9	xx/xx/xx	xx/xx/xx	xx/xx/xx	xx/xx/xx
xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	---	x	-9	xx/xx/xx	xx/xx/xx	xx/xx/xx	xx/xx/xx
xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	---	x	-9	xx/xx/xx	xx/xx/xx	xx/xx/xx	xx/xx/xx
xxxxxxxxxxxxxxxx	xxxxxxxxxxxx	---	x	-9	xx/xx/xx	xx/xx/xx	xx/xx/xx	xx/xx/xx

User name *****
Date **/**/**

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SCREEN REPORT LAYOUT

Project 's Status

Project xxxxx *****

Total days xxx Start date xx/xx/xx Finish date xx/xx/xx

<----- Plan -----> <----- Actual ----->

System/Module	Activity	Remain	Start	Finish	Duration	Start	Last	Duration
xxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxx	-9	xx/xx/xx	xx/xx/xx	xxx	xx/xx/xx	xx/xx/xx	xxx
	xxxxxxxxxxxxx	-9	xx/xx/xx	xx/xx/xx	xxx	xx/xx/xx	xx/xx/xx	xxx
	xxxxxxxxxxxxx	-9	xx/xx/xx	xx/xx/xx	xxx	xx/xx/xx	xx/xx/xx	xxx
xxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxx	-9	xx/xx/xx	xx/xx/xx	xxx	xx/xx/xx	xx/xx/xx	xxx
xxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxx	-9	xx/xx/xx	xx/xx/xx	xxx	xx/xx/xx	xx/xx/xx	xxx



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SCREEN REPORT LAYOUT

Staff's Activity Effort

User name _____ *****

From date xx/xx/xx

Project ID.	System/Module	Activity	Action	Date	Effort	Status
xxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xx/xx/xx	xx:xx	x
xxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xx/xx/xx	xx:xx	x
xxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xx/xx/xx	xx:xx	x
xxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xx/xx/xx	xx:xx	x
xxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xx/xx/xx	xx:xx	x
xxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xx/xx/xx	xx:xx	x
xxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxx	xx/xx/xx	xx:xx	x

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SCREEN REPORT LAYOUT

Cost Analysis by Project

Project xxxxx *****

Software price xx,xxx,xxx.xx Start date xx/xx/xx Finish date xx/xx/xx

System / Module	Activity	← Budget →		← Effort →		
		days	cost	days	hours	cost
xxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxx	xxxx	xx,xxx,xxx.xx	xxxx	xx:xx	xx,xxx,xxx.xx
	xxxxxxxxxxxxxxxxxxxxx	xxxx	xx,xxx,xxx.xx	xxxx	xx:xx	xx,xxx,xxx.xx
xxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxx	xxxx	xx,xxx,xxx.xx	xxxx	xx:xx	xx,xxx,xxx.xx
	xxxxxxxxxxxxxxxxxxxxx	xxxx	xx,xxx,xxx.xx	xxxx	xx:xx	xx,xxx,xxx.xx
	xxxxxxxxxxxxxxxxxxxxx	xxxx	xx,xxx,xxx.xx	xxxx	xx:xx	xx,xxx,xxx.xx
xxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxx	xxxx	<u>xx,xxx,xxx.xx</u>	xxxx	xx:xx	<u>xx,xxx,xxx.xx</u>
Total Project Cost			<u>xx,xxx,xxx.xx</u>			<u>xx,xxx,xxx.xx</u>

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SCREEN REPORT LAYOUT

Cost Analysis by Staff

User name _____ xxxxxxxxxxxxxxxxx

<—Todate —>

Project	System / Module	Activity	days	hours	cost
xxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxx	xx:xx	xx,xxx,xxx.xx
		xxxxxxxxxxxx	xxxx	xx:xx	xx,xxx,xxx.xx
	xxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxx	xx:xx	xx,xxx,xxx.xx
xxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxx	xx:xx	xx,xxx,xxx.xx
	xxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxx	xx:xx	xx,xxx,xxx.xx
xxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxx	xxxx	xx:xx	<u>xx,xxx,xxx.xx</u>
Total Todate Cost per Staff					<u>xx,xxx,xxx.xx</u>

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SCREEN REPORT LAYOUT

Cost Analysis by Resource

Project xxxxx

Software price xx,xxx,xxx.xx Start date xx/xx/xx Finish date xx/xx/xx

<----- Todate ----->


Resources	days	hours	cost
xxx xxxxxxxxxxxxxxxxxxxx	xxx	xx:xx	xx,xxx,xxx.xx
xxx xxxxxxxxxxxxxxxxxxxx	xxx	xx:xx	xx,xxx,xxx.xx
xxx xxxxxxxxxxxxxxxxxxxx	xxx	xx:xx	xx,xxx,xxx.xx
xxx xxxxxxxxxxxxxxxxxxxx	xxx	xx:xx	xx,xxx,xxx.xx
Total Project			<u>xx,xxx,xxx.xx</u>



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ภาคผนวก ข

ตารางข้อมูลระบบการบริหารโครงการพัฒนาซอฟต์แวร์

ศูนย์วิทยพัทยาการ
จุฬาลงกรณ์มหาวิทยาลัย

Properties

Date Created: 20/02/1995 11:33:17 AM Def. Updatable: Yes
 Last Updated: 16/03/1995 10:14:30 AM Record Count: 7

Columns

Name	Type	Size
POS_CD	Text	3
Allow Zero Length:	No	
Attributes:	Variable Length	
Caption:	Position code	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	POS_CD	
Source Table:	FPOS	
Validate On Set:	No	
POS_DES	Text	25
Allow Zero Length:	No	
Attributes:	Variable Length	
Caption:	Description	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	POS_DES	
Source Table:	FPOS	
Validate On Set:	No	
POS_PFAC	Number (Single)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	2	
Default Value:	0	
Ordinal Position:	3	
Required:	No	
Source Field:	POS_PFAC	
Source Table:	FPOS	
Validate On Set:	No	

POS_AFAC	Number (Single)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	2	
Default Value:	0	
Ordinal Position:	4	
Required:	No	
Source Field:	POS_AFAC	
Source Table:	FPOS	
Validate On Set:	No	



Relationships

Reference

FPOS	FEMP
POS_CD	EM_POS
1	∞

Attributes: One to Many, Enforced, Cascade Updates, Cascade Deletes

Table Indexes

Name	Number of Fields
POS_CD	1
Clustered:	No
Distinct Count:	8
Foreign:	No
Ignore Nulls:	No
Name:	POS_CD
Primary:	No
Required:	No
Unique:	Yes
Fields:	POS_CD, Ascending
PrimaryKey	1
Clustered:	No
Distinct Count:	7
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	POS_CD, Ascending

Properties

Date Created: 20/02/1995 11:38:31 AM Def. Updatable: Yes
Last Updated: 04/04/1995 3:03:01 PM Record Count: 0

Columns

Name	Type	Size
EM_ID	Text	4
Allow Zero Length:	No	
Attributes:	Variable Length	
Caption:	Employee ID No.	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	EM_ID	
Source Table:	FEMP	
Validate On Set:	No	
EM_LNM	Text	45
Allow Zero Length:	No	
Attributes:	Variable Length	
Caption:	Long name	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	EM_LNM	
Source Table:	FEMP	
Validate On Set:	No	
EM_SNM	Text	10
Allow Zero Length:	No	
Attributes:	Variable Length	
Caption:	Short name	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	EM_SNM	
Source Table:	FEMP	
Validate On Set:	No	
EM_POS	Text	3

Allow Zero Length: No
 Attributes: Variable Length
 Caption: Position code
 Collating Order: General
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Ordinal Position: 4
 Required: No
 Source Field: EM_POS
 Source Table: FEMP
 Validate On Set: No

EM_LV Number (Byte) 1

Allow Zero Length: No
 Attributes: Fixed Size
 Caption: Level
 Collating Order: Unknown or Undefined
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Decimal Places: 0
 Default Value: 0
 Format: Fixed
 Ordinal Position: 5
 Required: No
 Source Field: EM_LV
 Source Table: FEMP
 Validate On Set: No

EM_SALARY Number (Single) 4

Allow Zero Length: No
 Attributes: Fixed Size
 Caption: Salary
 Collating Order: Unknown or Undefined
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Decimal Places: 0
 Default Value: 0
 Format: Standard
 Ordinal Position: 6
 Required: No
 Source Field: EM_SALARY
 Source Table: FEMP
 Validate On Set: No

EM_HRP Number (Single) 4

Allow Zero Length: No
 Attributes: Fixed Size
 Caption: Hour rate
 Collating Order: Unknown or Undefined
 Column Hidden: No
 Column Order: Default

Column Width: Default
 Data Updatable: No
 Decimal Places: 2
 Default Value: 0
 Format: Standard
 Ordinal Position: 7
 Required: No
 Source Field: EM_HRP
 Source Table: FEMP
 Validate On Set: No

EM_STS Text 1

Allow Zero Length: No
 Attributes: Variable Length
 Caption: Status
 Collating Order: General
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Ordinal Position: 8
 Required: No
 Source Field: EM_STS
 Source Table: FEMP
 Validate On Set: No

EM_PASS Text 5

Allow Zero Length: No
 Attributes: Variable Length
 Caption: password
 Collating Order: General
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Ordinal Position: 9
 Required: No
 Source Field: EM_PASS
 Source Table: FEMP
 Validate On Set: No

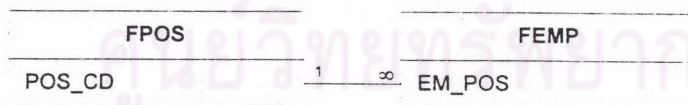
EM_AUTH Number (Byte) 1

Allow Zero Length: No
 Attributes: Fixed Size
 Caption: Authorize level
 Collating Order: Unknown or Undefined
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Decimal Places: 0
 Default Value: 0
 Format: Fixed
 Ordinal Position: 10
 Required: No
 Source Field: EM_AUTH
 Source Table: FEMP

Validate On Set:	No		
EM_LUP		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Caption:	Last update		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Short Date		
Ordinal Position:	11		
Required:	No		
Source Field:	EM_LUP		
Source Table:	FEMP		
Validate On Set:	No		
EM_IDUP		Text	5
Allow Zero Length:	No		
Attributes:	Variable Length		
Caption:	ID No. update		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	12		
Required:	No		
Source Field:	EM_IDUP		
Source Table:	FEMP		
Validate On Set:	No		

Relationships

Reference



Attributes: One to Many, Enforced, Cascade Updates, Cascade Deletes

Table Indexes

Name	Number of Fields
EM_SNM	1
Clustered:	No
Distinct Count:	-4
Foreign:	No
Ignore Nulls:	No
Name:	EM_SNM
Primary:	No
Required:	No

Unique:	Yes
Fields:	EM_SNM, Ascending
PrimaryKey	1
Clustered:	No
Distinct Count:	-12
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	EM_ID, Ascending
Reference	1
Clustered:	No
Distinct Count:	2
Foreign:	Yes
Ignore Nulls:	No
Name:	Reference
Primary:	No
Required:	No
Unique:	No
Fields:	EM_POS, Ascending



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

Properties

Date Created: 24/03/1995 3:43:06 PM Def. Updatable: Yes
 Last Updated: 05/04/1995 3:40:26 PM Record Count: 4
 Row Height: 225

Columns

Name	Type	Size
ID	Number (Long)	4
	Allow Zero Length: No	
	Attributes: Fixed Size, Auto-Increment	
	Collating Order: Unknown or Undefined	
	Column Hidden: No	
	Column Order: Default	
	Column Width: Default	
	Data Updatable: No	
	Ordinal Position: 1	
	Required: No	
	Source Field: ID	
	Source Table: FPRJ_A	
	Validate On Set: No	
PJS_ID	Text	5
	Allow Zero Length: No	
	Attributes: Variable Length	
	Caption: Project ID No.	
	Collating Order: General	
	Column Hidden: No	
	Column Order: Default	
	Column Width: Default	
	Data Updatable: No	
	Ordinal Position: 2	
	Required: No	
	Source Field: PJS_ID	
	Source Table: FPRJ_A	
	Validate On Set: No	
PJS_DID	Number (Double)	8
	Allow Zero Length: No	
	Attributes: Fixed Size	
	Collating Order: Unknown or Undefined	
	Column Hidden: No	
	Column Order: Default	
	Column Width: Default	
	Data Updatable: No	
	Decimal Places: 0	
	Default Value: 0	
	Ordinal Position: 3	
	Required: No	
	Source Field: PJS_DID	
	Source Table: FPRJ_A	
	Validate On Set: No	

PJS_SYDES	Text	45
Allow Zero Length:	No	
Attributes:	Variable Length	
Caption:	Sys/Mod description	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	
Source Field:	PJS_SYDES	
Source Table:	FPRJ_A	
Validate On Set:	No	
PJS_ATCD	Text	45
Allow Zero Length:	No	
Attributes:	Variable Length	
Caption:	Activity Module	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	5	
Required:	No	
Source Field:	PJS_ATCD	
Source Table:	FPRJ_A	
Validate On Set:	No	
PJS_ACTION	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Caption:	Action	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	6	
Required:	No	
Source Field:	PJS_ACTION	
Source Table:	FPRJ_A	
Validate On Set:	No	
PJS_EMID	Text	5
Allow Zero Length:	No	
Attributes:	Variable Length	
Caption:	Sys/Mod Manager	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	7	
Required:	No	
Source Field:	PJS_EMID	

Source Table:	FPRJ_A		
Validate On Set:	No		
PJS_HRP		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Caption:	Hour rate		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	0		
Default Value:	0		
Format:	Standard		
Ordinal Position:	8		
Required:	No		
Source Field:	PJS_HRP		
Source Table:	FPRJ_A		
Validate On Set:	No		
PJS_DATE		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Short Date		
Ordinal Position:	9		
Required:	No		
Source Field:	PJS_DATE		
Source Table:	FPRJ_A		
Validate On Set:	No		
PJS_TIME		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Caption:	Effort		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	0		
Format:	Short Time		
Ordinal Position:	10		
Required:	No		
Source Field:	PJS_TIME		
Source Table:	FPRJ_A		
Validate On Set:	No		
PJS_STS		Text	1
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		

Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Ordinal Position: 11
 Required: No
 Source Field: PJS_STS
 Source Table: FPRJ_A
 Validate On Set: No

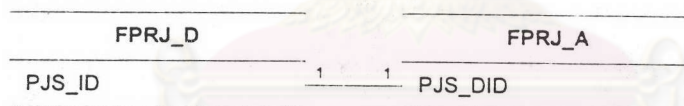


PJS_LUP Date/Time 8

Allow Zero Length: No
 Attributes: Fixed Size
 Caption: Last update
 Collating Order: Unknown or Undefined
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Format: Short Date
 Ordinal Position: 12
 Required: No
 Source Field: PJS_LUP
 Source Table: FPRJ_A
 Validate On Set: No

Relationships

Reference1



Attributes: One to One, Not Enforced

Table Indexes

Name	Number of Fields
PJD_ID	1
Clustered:	No
Distinct Count:	2
Foreign:	No
Ignore Nulls:	No
Name:	PJD_ID
Primary:	No
Required:	No
Unique:	No
Fields:	PJS_ID, Ascending
PrimaryKey	1
Clustered:	No
Distinct Count:	4
Foreign:	No
Ignore Nulls:	No

Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	ID, Ascending



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Properties

Date Created: 24/02/1995 4:16:57 PM Def. Updatable: Yes
 Last Updated: 11/04/1995 12:37:37 PM Record Count: 5

Columns

Name	Type	Size
ID	Number (Long)	4
Allow Zero Length: No Attributes: Fixed Size, Auto-Increment Collating Order: Unknown or Undefined Column Hidden: No Column Order: Default Column Width: Default Data Updatable: No Ordinal Position: 1 Required: No Source Field: ID Source Table: FPRJ_D Validate On Set: No		
PJD_ID	Text	5
Allow Zero Length: No Attributes: Variable Length Caption: Project ID No. Collating Order: General Column Hidden: No Column Order: Default Column Width: Default Data Updatable: No Ordinal Position: 2 Required: No Source Field: PJD_ID Source Table: FPRJ_D Validate On Set: No		
PJD_SYDES	Text	45
Allow Zero Length: No Attributes: Variable Length Caption: Sys/Mod description Collating Order: General Column Hidden: No Column Order: Default Column Width: Default Data Updatable: No Ordinal Position: 3 Required: No Source Field: PJD_SYDES Source Table: FPRJ_D Validate On Set: No		
PJD_ATCD	Text	45
Allow Zero Length: No		

Attributes: Variable Length
 Caption: Activity Module
 Collating Order: General
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Ordinal Position: 4
 Required: No
 Source Field: PJD_ATCD
 Source Table: FPRJ_D
 Validate On Set: No

PJD_EMID Text 5

Allow Zero Length: No
 Attributes: Variable Length
 Caption: Sys/Mod Manager
 Collating Order: General
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Ordinal Position: 5
 Required: No
 Source Field: PJD_EMID
 Source Table: FPRJ_D
 Validate On Set: No

PJD_EMNM Text 45

Allow Zero Length: No
 Attributes: Variable Length
 Caption: Long name
 Collating Order: General
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Ordinal Position: 6
 Required: No
 Source Field: PJD_EMNM
 Source Table: FPRJ_D
 Validate On Set: No

PJD_POS Text 3

Allow Zero Length: No
 Attributes: Variable Length
 Caption: Assign Position code
 Collating Order: General
 Column Hidden: No
 Column Order: Default
 Column Width: Default
 Data Updatable: No
 Ordinal Position: 7
 Required: No
 Source Field: PJD_POS
 Source Table: FPRJ_D
 Validate On Set: No

PJD_HRP		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Caption:	Hour Rate		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	2		
Default Value:	0		
Format:	Standard		
Ordinal Position:	8		
Required:	No		
Source Field:	PJD_HRP		
Source Table:	FPRJ_D		
Validate On Set:	No		
PJD_TDAY		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Caption:	Total days		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	0		
Default Value:	0		
Ordinal Position:	9		
Required:	No		
Source Field:	PJD_TDAY		
Source Table:	FPRJ_D		
Validate On Set:	No		
PJD_PST		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Caption:	Start date		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Short Date		
Ordinal Position:	10		
Required:	No		
Source Field:	PJD_PST		
Source Table:	FPRJ_D		
Validate On Set:	No		
PJD_PFN		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Caption:	Finish date		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		

Column Order:	Default
Column Width:	Default
Data Updatable:	No
Format:	Short Date
Ordinal Position:	11
Required:	No
Source Field:	PJD_PFN
Source Table:	FPRJ_D
Validate On Set:	No

PJD_ATDAY	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Caption:	Total days	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	0	
Default Value:	0	
Ordinal Position:	12	
Required:	No	
Source Field:	PJD_ATDAY	
Source Table:	FPRJ_D	
Validate On Set:	No	

PJD_AST	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Caption:	Start date	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Short Date	
Ordinal Position:	13	
Required:	No	
Source Field:	PJD_AST	
Source Table:	FPRJ_D	
Validate On Set:	No	

PJD_AFN	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Caption:	Finish date	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Short Date	
Ordinal Position:	14	
Required:	No	
Source Field:	PJD_AFN	
Source Table:	FPRJ_D	

Validate On Set:	No		
PJD_STS		Text	1
Allow Zero Length:	No		
Attributes:	Variable Length		
Caption:	Status		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Default Value:	"A"		
Ordinal Position:	15		
Required:	No		
Source Field:	PJD_STS		
Source Table:	FPRJ_D		
Validate On Set:	No		
PJD_PRG		Number (Byte)	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	0		
Default Value:	0		
Format:	Fixed		
Ordinal Position:	16		
Required:	No		
Source Field:	PJD_PRG		
Source Table:	FPRJ_D		
Validate On Set:	No		
PJD_LUP		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Caption:	Last update		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Short Date		
Ordinal Position:	17		
Required:	No		
Source Field:	PJD_LUP		
Source Table:	FPRJ_D		
Validate On Set:	No		
PJD_IDUP		Text	5
Allow Zero Length:	No		
Attributes:	Variable Length		
Caption:	ID No. update		
Collating Order:	General		
Column Hidden:	No		

Column Order:	Default
Column Width:	Default
Data Updatable:	No
Ordinal Position:	18
Required:	No
Source Field:	PJD_IDUP
Source Table:	FPRJ_D
Validate On Set:	No

Relationships**Reference1**

FPRJ_D		FPRJ_A	
PJS_ID	1	1	PJS_DID

Attributes: One to One, Not Enforced

Reference2

FPRJ_H		FPRJ_D	
PJH_ID	1	∞	PJD_ID

Attributes: One to Many, Enforced, Cascade Updates, Cascade Deletes

Table Indexes

Name	Number of Fields
PJD_ATCD	1
Clustered:	No
Distinct Count:	12
Foreign:	No
Ignore Nulls:	No
Name:	PJD_ATCD
Primary:	No
Required:	No
Unique:	No
Fields:	PJD_ATCD, Ascending
PJD_ID	1
Clustered:	No
Distinct Count:	4
Foreign:	No
Ignore Nulls:	No
Name:	PJD_ID
Primary:	No
Required:	No
Unique:	No
Fields:	PJD_ID, Ascending
PJD_SYDES	1
Clustered:	No

Distinct Count:	10
Foreign:	No
Ignore Nulls:	No
Name:	PJD_SYDES
Primary:	No
Required:	No
Unique:	No
Fields:	PJD_SYDES, Ascending

PrimaryKey 1

Clustered:	No
Distinct Count:	5
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	ID, Ascending

Reference2 1

Clustered:	No
Distinct Count:	4
Foreign:	Yes
Ignore Nulls:	No
Name:	Reference2
Primary:	No
Required:	No
Unique:	No
Fields:	PJD_ID, Ascending

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A:\SPROJECT.MDB
Table: FPRJ_S

Friday, April 14, 1995
Page: 1

Columns

Name	Type	Size
ID	Number (Long)	4
PJS_ID	Text	5
PJS_DID	Number (Double)	3
PJS_SYDES	Text	45
PJS_ATCD	Text	45
PJS_ACTION	Text	50
PJS_EMID	Text	5
PJS_HRP	Number (Single)	4
PJS_DATE	Date/Time	3
PJS_TIME	Date/Time	3
PJS_STS	Text	1
PJS_LUP	Date/Time	3


Table Indexes

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	ID, Ascending

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Columns

Name	Type	Size
ID	Number (Long)	4
PJD_ID	Text	5
PJD_SYDES	Text	45
PJD_ATCD	Text	45
PJD_PRG	Number (Byte)	1
PJD_STS	Text	1
PJD_PST	Date/Time	3
PJD_PFN	Date/Time	3
PJD_TDAY	Number (Integer)	2
Actual Start	Date/Time	3
Actual Last	Date/Time	3
Actual Duration	Number (Double)	3
Duration	Number (Double)	8



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ประวัติผู้เขียน

นางสาว อโนชา จิตรปฏิมา เกิดเมื่อ วันที่ 24 กรกฎาคม พ.ศ. 2498 สำเร็จการศึกษา
ระดับปริญญาตรีศิลปศาสตรบัณฑิต คณะมนุษยศาสตร์ มหาวิทยาลัยรามคำแหง เมื่อปีการศึกษา 2520
และเข้าศึกษาต่อหลักสูตรวิทยาศาสตรมหาบัณฑิต สาขาวิทยาศาสตร์คอมพิวเตอร์ ที่จุฬาลงกรณ์
มหาวิทยาลัย ปีการศึกษา 2533



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