FSC Expense tracker

Project Code	19
Document Code	TW-DV-19-DVB-1

Git Repository Link	https://gitlab.com/rohit2096/fsc-ims.git
Timesheet Update	www.nipun.elorca.com
Task Management	www.trello.com

Team

Name	Role	Email id
Rohit Hazare	Full stack	rohit@techwalnut.com

Project Link

Title	Link	
Testing Link	demoet.elorca.com	157.245.98.157
Production Link	https://fet.fluidscapes.in	139.59.41.102

Technology Details

Title	Name	Version
Frontend	HTML, CSS, jQuery, AJAX	
Backend	Django, python	3.2, 3.6.9
Server	Testing: Digitalocean Ubuntu	18.04
	Production: GCP Debian	10
Database	MySQL	5.7

Admin (Back-end	Global Admin	ask admin for any add ons needed in the form	request for new addons if required	As a Global Admin I want to ask admin for any add ons needed in the form so that I can request for new addons if required	User utility		2	Utility	1.1.0
	Admin (Back-end	add/remove the fields based on request generated by the field admin	process the requests generated by the field admin on the go	As a Admin (Back-end) I want to add/remove the fields based on request generated by the field admin so that I can process the requests generated by the field admin on the go	User utility		6	Utility	1.1.0
	Admin (Back-end	request global admin for major changes in the form	keep the expense tracker form up to date	As a Admin (Back-end) I want to request global admin for major changes in the form so that I can keep the expense tracker form up to date	User utility		10	Utility	1.1.0
	Admin (Back-end	generate the costwise reports	analyse the data costwise	As a Admin (Back-end) I want to generate the costwise reports so that I can analyse the data costwise	reports		11	Cost report	1.1.1
	Admin (Back-end	generate the datewise reports	analyse the data datewise	As a Admin (Back-end) I want to generate the datewise reports so that I can analyse the data datewise	reports		11	Date report	1.1.1
	Admin (Back-end	generate the equipmentwise reports	analyse the data equipmentwise	As a Admin (Back-end) I want to generate the equipmentwise reports so that I can analyse the data equipmentwise	reports		11	Equipment repor	1.1.1
	Admin (Back-end	generate the HRwise reports	analyse the data HRwise	As a Admin (Back-end) I want to generate the HRwise reports so that I can analyse the data HRwise	reports		11	HR report	1.1.1
	Admin (Back-end	generate the Brandwise reports	analyse the data Brandwise	As a Admin (Back-end) I want to generate the Brandwise reports so that I can analyse the data Brandwise	reports		11	Brand report	1.1.1
	Admin (Back-end	view the status of request generated	follow up or update the field admins	As a Admin (Back-end) I want to view the status of request generated so that I can follow up or update the field admins	User utility		12	Request status	1.1.0
	Global Admin	view the versions of the forms that have been previously used	know if I'm using the latest version or not	As a Global Admin I want to view the versions of the forms that have been previously used so that I can know if I'm using the latest version or not	User utility		19	Tracker version	1.1.0
	Global Admin	view the request logs for the addons in expense tracker form	check the flow and time taken to complete a request	As a Global Admin I want to view the request logs for the addons in expense tracker form so that I can check the flow and time taken to complete a request	User utility		21	View request logs	1.1.1
	User (Field Admin	the location to be prefilled based on my entry in form	not make mistakes in location	As a User (Field Admin- Frontend) I want to the location to be prefilled based on my entry in form so that I can not make mistakes in location	Expense tracker form		24	Google api integr	1.1.0
	Global Admin	see the updated value of the price of the resources paid per hour according to the event hours	easily calculate the amount	As a Global Admin I want to see the updated value of the price of the resources paid per hour according to the event hours so that I can easily calculate the amount	Expense tracker form		29	Total amount calc	1.1.0

Form Name	Tab1	Tab order	Tab2	Tab order	Type	Comment	
Dashboard 1	Dashboard	1	Dashboard 1	1	Client release		
Dashboard 2	Dashboard	1	Dashboard 2	2	Client release		
Client	Masters	5	Brand	2	Client release	To be named Brand on UI for FSC client	
Resources	Masters	5	Human Resources	4	Client release	Type is hardcoded as human resource	
Type master	Masters	5	Type	3	Client release		
Equipment List	Masters	5	Equipment	5	Client release		
Travel transactions	Event Tracker	2	Travel details	5	Client release		
Equipment transactions	Event Tracker	2	Equipments	3	Client release		
Vendor transactions	Event Tracker	2	External resources	4	Client release		
Event tracker	Event Tracker	2	Event details	1	Client release		
userdetails	Masters	5	User Management	1	Client release		
Hr transactions	Event Tracker	2	HR Allocation	2	Client release		
Version tracker	Internal	7	Version tracker	1	Internal release		
add on request	Masters	5	Add on request	8	Client release		
status table	Internal	7	status table	2	Internal release		
request logs	Masters	5	Request log	9	Internal release		
Shared out station expense	Other common e	3	Shared expenses	1	Client release		
activity configuration	Internal	7	activity configuration	3	Internal release		
Activity log	Internal	7	Activity log	4	Internal release		
wallet transactions	Wallet	4	wallet transactions	1	Client release		
pending wallet transactions	Wallet	4	pending wallet transa	2	Client release		
Reports1	Reports	6	Reports 1	1	Client release		
Preview and Submit	Event Tracker	2	Preview and Submit	6	Client release		
Resources	Masters	5	Vendors	6	Client release	Type is hardcoded as vendors	
Resources	Masters	5	Travel booking agent	7	Client release	Type is hardcoded as travel booking agents	

Database	MySQL
version	5.7
DB name	IMS
schema	-
Type	<dev/test/prod/all>

Brand

name	text field	length = 100, null=False
price	float field	default=0
category	text field	length=100, default='fixed' choices=['fixed','rate']
rateType	text field	length=100, default='day'
date	date field	default=current date
location	text field	length=500, null=True, blank=True

Resources

name	text field	length = 100, null=False
price	float field	default=0
category	text field	length=100, default='fixed'
rateType	text field	length=100, default='day'
date	date field	default=current date
location	text field	length=500, null=True, blank=True
type	text field	length=100, choices= ['hr', 'vendor', 'travel_bk']

Expenses

name	text field	length = 100, null=False
key	text field	length=10,null=True, blank=True
type	text field	length=50,default='travel'

EquipmentList

name	text field	length = 100, null=False
price	float field	default=0
category	text field	length=100, default='fixed' choices=['fixed','rate']
rateType	text field	length=100, default='day'
date	date field	default=current date
location	text field	length=500, null=True, blank=True

TravelDetails

bookingDoneBy	text field	length = 100
journeyDetails	text field	length = 100
travelType	text field	length = 100
amount	float field	default=0
startReading	float field	default=0
endReading	float field	default=0
comments	text field	length=1000,null=True, blank=True
linkToAttachments	text field	length=500,null=True, blank=True

EquipmentDetails

name	text field	length = 100, null=False
amount	float field	default=0
description	text field	length=500
type	text field	length=10, default='internal'

Privileges

name	text field	length = 100

OtherExpenseDetails

name	text field	length = 100, null=False
amount	float field	default=0
description	text field	length=500
documentLink	text field	length=500

FieldTeamExpenseTracker

email	email field	length = 50
eventName	text field	length = 100
location	text field	length = 100
startDate	date field	
endDate	date field	
brand	foreign key	**Brand**, on_delete=models. DO_NOTHING, null=True,blank=True
hrAllocations	many to many	**Resources**
externalVendors	many to many	**Resources**
travelDetails	foreign key	**TravelDetails**
equipmentDetails	foreign key	**EquipmentDetails**
otherExpensetDetails	foreign key	**OtherExpensetDetails**
travelTotal	float field	default=0
equipmentTotal	float field	default=0
otherExpenseTotal	float field	default=0
eventTotal	float field	default=0

AddonRequests

category	text field	length = 50
name	text field	length = 100
price	float field	default=0
priceCategory	text field	null=True, blank=True
priceRate	text field	null=True, blank=True
location	text field	null=True, blank=True
status	text field	default='pending'
createdBy	foreign key	**USER**, on_delete=models. DO_NOTHING
createdAt	date field	current time
updatedBy	foreign key	**USER**, on_delete=models. DO_NOTHING
updatedAt	date field	current time

UserDetails

user	Foreign key	**User,** on_delete=Cascade
role	Foreign key	Roles, on_delete=DO_NOTHING
mobile	PhoneNumberField	

Roles

name	text field	length = 100
description	text field	length = 100
privileges	many to many	**Privileges**

VersionTracker

versionNumber	Text field	length=10
releaseNote	File field	
releaseDate	Date field	datetime.now

ExternalEquipmentCategory

name	text field	length=100

FieldRequest

userId	foreign key	**User**, on_delete=DO_NOTHING related_name=" creator"
generationDate	Datetime	
updatedAt	Datetime	
requestNumber	Integer Field	
type	Text field	length = 50
name	Text field	length =100
description	Text field	length = 500
status	boolean field	default = 1
updatedBy	foreign key	**User**, on_delete=DO_NOTHING, related_name='Editor'
requestStatus	Text field	length = 50

StatusTable

name	text field	length = 100
description	text field	length = 100
role	many to many	**Roles**
status	boolean	default=1

ActivityTable

activity	text field	
requestNumber	integer field	
updatedBy	foreign key	**User**, on_delete=DO_NOTHING
updatedAt	date time	
status	boolean	

ActivityConfigurations

currentState	Text field	length=50
prevState	Text field	length=50
nextState	Text field	length=50
status	boolean field	default=1

MasterLog

timestamp	date time field	
activity	text field	
description	text field	
status	boolean field	default =1
user	foreignkey	User, on_delete= DO_NOTHING

Database MySQL
version 5.7
DB name IMS
schema -
Type <dev/test/prod/all>

Client (previously Brand)

field	type	attributes
name	text field	length = 100, null=False
~~price~~	~~float field~~	~~default=0~~
~~category~~	~~text field~~	~~length=100, default='fixed' choices=['fixed','rate']~~
~~rateType~~	~~text field~~	~~length=100, default='day'~~
date	date field	default=current date
location	text field	length=500, null=True, blank=True

Resources (HR user are migrated to UserDetails)

field	type	attributes
name	text field	length = 100, null=False
price	float field	default=0
category	text field	length=100, default='fixed'
rateType	text field	length=100, default='day'
date	date field	default=current date
location	text field	length=500, null=True, blank=True
market_price	float field	default=0
type	text field	length=100, choices=['vendor', 'travel_bk']

ExpensesType (previously Expenses)

field	type	attributes
~~name~~	~~text field~~	~~length = 100, null=False~~
~~key~~	~~text field~~	~~length=10,null=True, blank=True~~
~~type~~	~~text field~~	~~length=50,default='travel'~~

TypeMaster

field	type	attributes
name	text field	length = 20, null=False
description	text field	length=100, null=True, blank=True
category	text field	length=100, null=True, blank=True e.g. "travel_expense", "equipment"

Base

field	type	attributes
created_by	ForeignKey	User
updated_by	ForeignKey	User
created_at	datetime	
updated_at	datetime	
status_code	int	default=1

EquipmentList

field	type	attributes
name	text field	length = 100, null=False
price	float field	default=0
category	text field	length=100, default='fixed' choices=['fixed','rate']
rateType	text field	length=100, default='day'
date	date field	default=current date
location	text field	length=500, null=True, blank=True
equipment_type	text field	length=10, null=True, blank=True, (asset, consumable,stock, external)
rental_cost	float field	default=0

TravelTransactions (previously TravelDetails)

field	type	attributes
name (previously b	text field	length = 100
journeyDetails	text field	length = 100
travelType	text field	length = 100
price (previously an	float field	default=0
startReading	float field	default=0
endReading	float field	default=0
comments	text field	length=1000,null=True, blank=True
~~linkToAttachments~~	~~text field~~	~~length=500,null=True, blank=True~~
attachments	filefield	Multiple files attached
shared_expense	ForeignKey	SharedOutstationExpense
split_from	float field	default=0

EquipmentTransactions (previously EquipmentDetails)

field	type	attributes
name	text field	length = 100, null=False
price	float field	default=0
description	text field	length=500
type	text field	length=10, default='internal'
category	text field	length=100, default='fixed' choices=['fixed','rate']
rateType	text field	length=100, default='day'
location	text field	length=500, null=True, blank=True
equipment_type	text field	length=10, null=True, blank=True, (asset, consumable,stock, external)
equipment_list_i	int	EquipmentList id

ExpenseTransactions (previously OtherExpenseDe

field	type	attributes
~~name~~	~~text field~~	~~length = 100, null=False~~
~~price (previously~~	~~float field~~	~~default=0~~
~~description~~	~~text field~~	~~length=500~~
~~documentLink~~	~~text field~~	~~length=500~~

VendorTransactions

field	type	attributes
name	text field	length = 100, null=False
price	float field	default=0
category	text field	length=100, default='fixed'
rateType	text field	length=100, default='day'
location	text field	length=500, null=True, blank=True
type	text field	length=100, choices= ['vendor', 'travel_bk']
resource_id	int	Resource id
attachments	filefield	multiple files
description	text field	

addonfields

field	type	attributes
text_field_1	text field	null=True, blank=True
text_field_2	text field	null=True, blank=True
text_field_3	text field	null=True, blank=True
int_field_1	int	null=True, blank=True
int_field_2	int	null=True, blank=True
int_field_3	int	null=True, blank=True
float_field_1	float	null=True, blank=True
float_field_2	float	null=True, blank=True
float_field_3	float	null=True, blank=True
datetime_field_1	datetime	null=True, blank=True
datetime_field_2	datetime	null=True, blank=True
datetime_field_3	datetime	null=True, blank=True

UserTransactions

field	type	attributes
name	text field	length = 100, null=False
price	float field	default=0
category	text field	length=100, default='fixed'
rateType	text field	length=100, default='day'
location	text field	length=500, null=True, blank=True
type	text field	length=100, choices= ['vendor', 'travel_bk']
resource_id	int	Resource id

EventTracker (previously FieldTeamExpenseTracker)

field	type	attributes
email	email field	length = 50
eventName	text field	length = 100
location	text field	length = 100
startDate	date field	
endDate	date field	
brand	foreign key	Brand, on_delete=models. DO_NOTHING, null=True,blank=True
hrAllocations	many to many	UserTransactions (previously User)
externalVendors	many to many	VendorTransactions(previously Resources)
travelDetails	foreign key	TravelTransactions(previously TravelDetails)
equipmentDetails	foreign key	EquipmentTransaction s(previously EquipmentDetails)
otherExpenseDetails	foreign key	OtherExpensesTransa ctions (previously OtherExpenseDetails)
travelTotal	float field	default=0
equipmentTotal	float field	default=0
vendorTotal	float field	default=0
otherExpenseTotal	float field	default=0
event_type	text field	null=True, blank=True populated from dropdown fo Mastertypes
eventTotal	float field	default=0

AddonRequests

field	type	attributes
~~category~~	~~text field~~	~~length = 50~~
~~name~~	~~text field~~	~~length = 100~~
~~price~~	~~float field~~	~~default=0~~
~~priceCategory~~	~~text field~~	~~null=True, blank=True~~
~~priceRate~~	~~text field~~	~~null=True, blank=True~~
~~location~~	~~text field~~	~~null=True, blank=True~~
~~status~~	~~text field~~	~~default='pending'~~
~~createdBy~~	~~foreign key~~	~~USER, on_delete=models. DO_NOTHING~~
~~createdAt~~	~~date field~~	~~current time~~
~~updatedBy~~	~~foreign key~~	~~USER, on_delete=models. DO_NOTHING~~
~~updatedAt~~	~~date field~~	~~current time~~

UserDetails

field	type	attributes
user	Foreign key	User, on_delete=Cascade
role	ManyToMany	Roles
mobile	PhoneNumberField	
is_portal_user	boolean	default=False
is_mobile_user	boolean	default=False
price	float field	default=0
category	text field	length=100, default='fixed'
rateType	text field	length=100, default='day'
date	date field	default=current date
market_price	float field	default=0
location	text field	length=500, null=True, blank=True
start_time	datetime field	null=True, blank=True
end_time	datetime field	null=True, blank=True

HrTransactions

field	type	attributes
name	text	
price	float	
category	text field	length=100, default='fixed'
rateType	text field	length=100, default='day'
location	text field	length=500, null=True, blank=True
user_details_id	int	ID of UserDetails
split_between	Many to many	User
geo_location	text field	
transaction	foreignkey	WalletTransaction
attachments	filefield	multiple files

Privileges

field	type	attributes
name	text field	length = 100

Roles

field	type	attributes
name	text field	length = 100
description	text field	length = 100
privileges	many to many	Privileges

VersionTracker

field	type	attributes
versionNumber	Text field	length=10
releaseNote	File field	
releaseDate	Date field	datetime.now

ernalEquipmentType (previously ExternalEquipmentCateg

field	type	attributes
~~name~~	~~text field~~	~~length=100~~

SharedOutstationExpense

field	type	attributes
name (previously	text field	length = 100
journeyDetails	text field	length = 100
travelType	text field	length = 100
price (previously	float field	default=0
startReading	float field	default=0
endReading	float field	default=0
comments	text field	length=1000, null=True, blank=True
~~linkToAttachment~~	~~text field~~	~~length=500, null=True, blank=True~~
attachments	filefield	Multiple files attached

AddonRequest (previously FieldRequest)

field	type	attributes
userId	foreign key	User, on_delete=DO_NOTHIN G related_name=" creator"
generationDate	Datetime	
updatedAt	Datetime	
requestNumber	Integer Field	
type	Text field	length = 50
name	Text field	length =100
description	Text field	length = 500
status	boolean field	default = 1
updatedBy	foreign key	User, on_delete=DO_NOTHIN G, related_name='Editor'
requestStatus	Text field	length = 50

StatusTable

field	type	attributes
name	text field	length = 100
description	text field	length = 100
role	many to many	Roles
status	boolean	default=1

RequestLogs (previously ActivityTable)

field	type	attributes
activity	text field	
requestNumber	integer field	
updatedBy	foreign key	User, on_delete=DO_NOTHING
updatedAt	date time	
status	boolean	

ActivityConfigurations

field	type	attributes
currentState	Text field	length=50
prevState	Text field	length=50
nextState	Text field	length=50
status	boolean field	default=1

ActivityLog (previously MasterLog)

timestamp	date time field	
activity	text field	
description	text field	
status	boolean field	default =1
user	foreignkey	User, on_delete= DO_NOTHING

WalletTransactions

date	date time field	
user	foreignkey	User
credit	float field	default =0
debit	float field	default =0
balance	float field	default =0
event_id	int	null=True, blank=True

PendingWalletTransactions

date	date time field	
sender	foreignkey	User
receiver	foreignkey	User
approval_status	text field	default ="pending"
amount	float field	default=0
approval_date	datetime	

Server credentials of the production branch	**Not adding currently**		
Branches	Purpose	Access to	
main	production	Lead	
Deployment Ports			
Name	**Branch**	**Server port**	**Docker container port**
app	testing	9001	9001
app	production	8000	8000

Predefined data added in fixtures folder of repository		
Create the database locally		
Load data using django loaddata command		

Release Version	Description	Date	Release by	Document Link
v1.0.2	Updated field expense tracker form with tabs. Each tab has defined related fields. The user can preview the form before submitting it and make changes if any. Admin can view all the forms submitted by the users. Admin can add dependent fields	09-02-2022	Rohit Hazare	**v1.0.2**
v1.0.3	Form updated based on the discussion with the FSC team. Tab names and assignments are changed. Minor validations added.	09-28-2022	Rohit Hazare	v1.0.3
v1.0.4	User utilities like search added. Edit feature provided for the form.	10-05-2022	Rohit Hazare	v1.0.4
v1.0.5	Reports added for Events, HR, Internal equipment, travel details, other expense details. Multiple links provision, additional option for Other expense dropdown, links are clickable in view and preview of the form. New field added to external vendor details. Detailed CSV provision for events	11-19-2022	Rohit Hazare	v1.0.5
v1.0.6	Masterlogs added, changes in the form, provision to request for field approvals, activity table to review all the activities going on in the app	12-22-2022	Rohit Hazare	v1.0.6

Monthly time spent

	Rohit	Kiran	Omkar			FSC-IMS	
January						FSC-IMS	
February						FSC-ET	299
March							
April							
May							
June							
July	10		10				
August	24						
September	55						
October	47						
November	20	132	1				
December							