Database Design Planning Worksheet
HVAV Rental System

TABLES: MASTER LIST

TABLE NAME	FIELDS	Datetype	Relational Table	Child(ren)	Foreign Keys	Notes	Status Created?
user_login	ULID	int (11), (Primary)				auto increment	
	UPID	int(Foreign)	user_profile		UPID		
	user_name	varchar(50)					
	pass_word	varchar(50)					
	is_successful	int(1)				the 1 mean True	
	login_description	text					

TABLE NAME	FIELDS	Relational Table	Relational Table	Child(ren) Tables	Foreign Keys	Notes	Status Created?
user_profile	UPID	int(Primary)				auto increment	
	ULID	int(Foreign)	user_login		ULID	Choose index, enter name (ULID), then click GO. It is NOT auto incremented here.	
	user_type	varchar(15)				manager, staff, customer	
	email	varchar(100)					
	password	varchar(50)					
	first_name	varchar(25)					
	last_name	varchar(25)					
	address_line1	varchar(50)					
	address_line2	varchar(50)					
	city	varchar(50)					
	state	varchar(2)					
	zip_code	varchar(10)					
	phone_number	varchar(15)					
	birth_date	varchar(20)					
	employee_availability	varchar(100)					

TABLE NAME	FIELDS	Datetype	Parent Table	Child(ren)	Foreign Keys	Notes	Status Created?
logs	LID	int (Primary)				auto increment	
	UPID	int(Foreign)	user_profile		UPID		
	is_successful	int(1)					
	error_message	test					

TABLE NAME	FIELDS	Datetype	Parent Table	Child(ren)	Foreign Keys	Notes	Status Created?
invoice	INVOICE_ID	int (Primary)				auto increment	
	UPID	int(Foreign)	user_profile		UPID		
	CLIENT_ID						
	EVENT_ID						

Table	Fields	Valid Entries	Notes
Invoice	invoice_id		VARCHAR(15), PRIMARY KEY, Auto_increment
	Reference to appropriate employee_id, client_id, job_id	user, client, event order	

Table	Fields	Valid Entries	Notes
Event Orders	job_id		VARCHAR(15), PRIMARY KEY, Auto_increment
	location		VARCHAR(45)
	event_date		DATE
	labor		
	employee_id(s)		
	job_notes		VARCHAR(255)
	event_category	non-profit commercial	
	reference to employee_id, client_id		

Table	Fields	Valid Entries	Notes
Client	client_id		VARCHAR(15), PRIMARY KEY, Auto_increment
	client_firstname		VARCHAR(45)
	client_lastname		VARCHAR(15)
	client_company		VARCHAR(50)
	client_state_of_residency		VARCHAR(2)
	client_email		VARCHAR(30)
	client_phone		VARCHAR(15)
	client_notes		VARCHAR(255)

Table	Fields	Valid Entries	Notes

Payment	payment_id		VARCHAR(15), PRIMARY KEY, Auto_increment
	reference_to_client_id		
	payment_type		
	reference_to_invoice_id		
	reference_to_job_id		
	payment_information		package, day, event, individual equipment

Payment Table NOTES:
- Reference to client: Verify with Chris: No user should be putting money through the system?
- Reference to Event Order: Once the job is linked, so is all of the data. To get the invoice, search the invoice table for the job linked to the payment method This will pull up the correct invoice while not having redundant data.
- Reference to Payment Information: package, day event, individual piece of equipment (NOTE: are day and event separate?)

Category: Inventory Management

Table	Fields	Valid Entries	Notes
Inventory	Item_number		VARCHAR(15), PRIMARY KEY, Auto_increment
	Category		
	Equipment State		
	Price to client per day		
	Price		
	Model		
	Notes		

Table	Fields	Valid Entries	Notes

Package	package_id		VARCHAR(15), PRIMARY KEY, Auto_increment
	Category		
	Price		
	Field(s) that point to Item		Package IDs that are part of this package