

RENTAL MANAGEMENT

Background and Objectives

██████████ is in the business of commercial construction building roads, bridges, heavy construction, renovation, institutional, industrial and specialized concrete structures. To perform the task Mosites employs a number of small and heavy-duty construction equipments at each jobsite. A significant number of such equipments are rented on job-to-job basis.

To keep track of rental investments and to utilize the rented equipments most efficiently, ██████ desires to build a system that would allow the convenience to record, search, print and view rental data including rental charges, Invoices, equipment and vendor details, etc. The system will generate various business intelligence reports assisting in rent vs. buy decision making. The system will operate in a client server mode using web technologies with a centralized database. Some of the data fields will be linked to the existing ERP database to reduce data entry.

This proposed solution will include the following features:

Functional Specifications:

Role based Access:

- Role-Based User login
 - User signs in with Login and Password
 - User views Landing page with access to only functions identified by their role
 - User Roles identified:
 - Administrator (All the screens all functionalities, read and write mode)
 - Viewer (All screens with Read only option)

Equipment Rentals – Entry Screen

- Entry fields to be displayed (Top Half of Screen):
 - Asset ID
 - Date Entered
 - Date Needed
 - Expected Duration
 - Entered via (Dropdown options):
 - Order
 - Invoice
 - R.Slip
 - Previous Swap checkbox
 - Clicking on this will bring up Swap File and Swap history
 - PO #
 - Job # (most current job #)
 - Name
 - Phase
 - Buy / Rent (with checkbox for "Is job inactive?")
 - Returned checkbox
 - Vendor #
 - Vendor Name
 - Salesman
 - Phone#
 - Category
 - Make
 - Model
 - Serial # (Display most current Serial # from Swap File)

• **Weekly Outstanding Report**

Available	Typical	Sort Fields
Selection Options	Selection Options	
Buy/Rent:	Rent	Buy/Rent:
Job:		Job:
Is Job Active:	Yes	
Vendor:		Vendor:
Returned:	No	Make:
Date Received:		Serial No.:
Date Returned:		
Rental Period-From:		
Rental Period-To:		

• **Potential Buy-Out Candidates**

Available	Typical	Sort Fields
Selection Options	Selection Options	
Buy/Rent:	Rent	Buy/Rent:
Job:	0116, 0118, 0142	Job:
Vendor:		Vendor:
Returned:	No	Make:
To Date Rentals:		Serial No.
Buyout Price:	>\$500.00	Buyout Price:
To Date Rentals	>60% of Buyout Price	

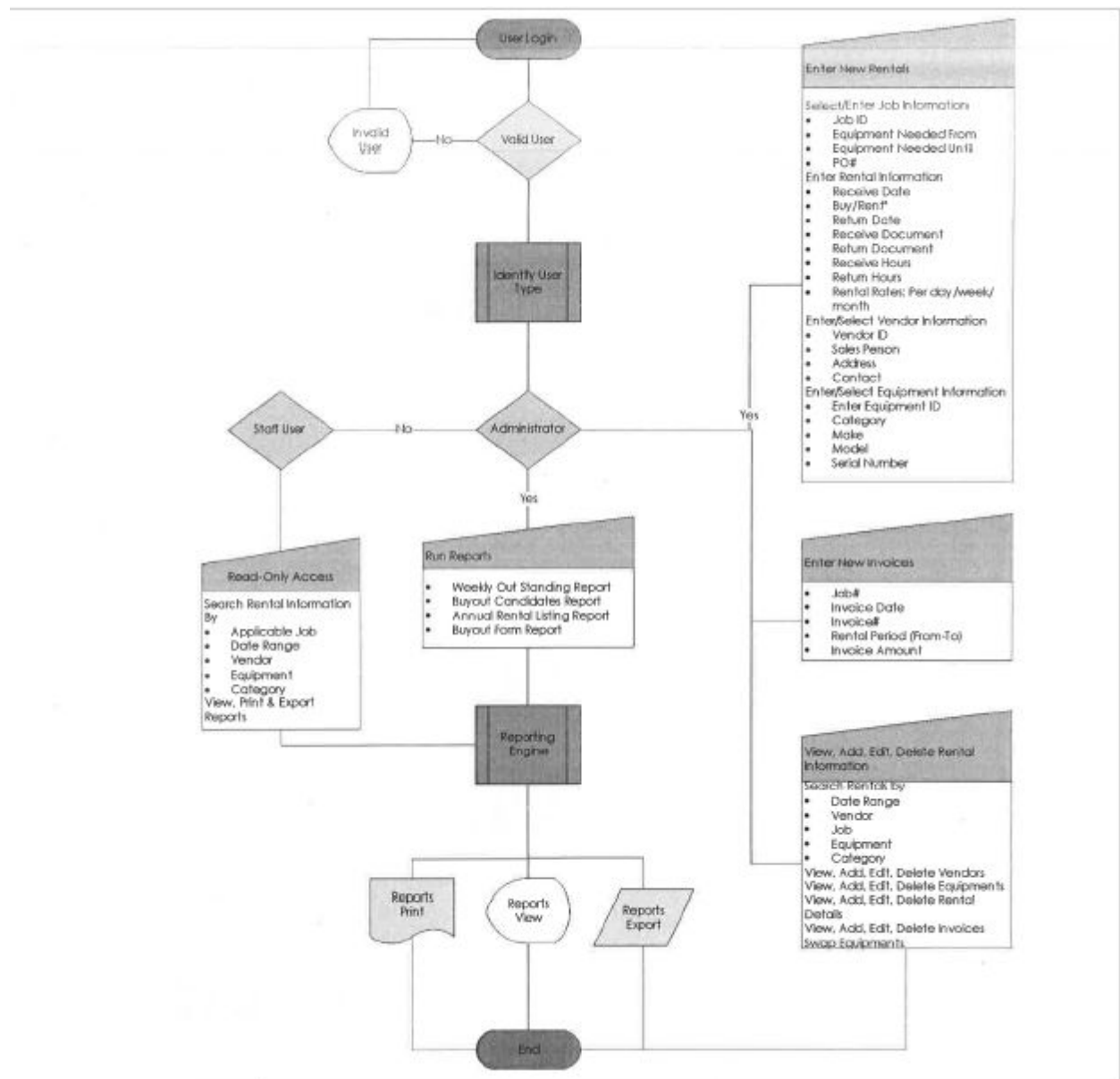
• **Annual Rental Listing**

Available	Typical	Sort Fields
Selection Options	Selection Options	
From Category		Category
To Category		Make:
Make:		
Summary(S), Detail(D)	S	
Date Received:	>10/31/10	
Date Returned:	<11/01/11	

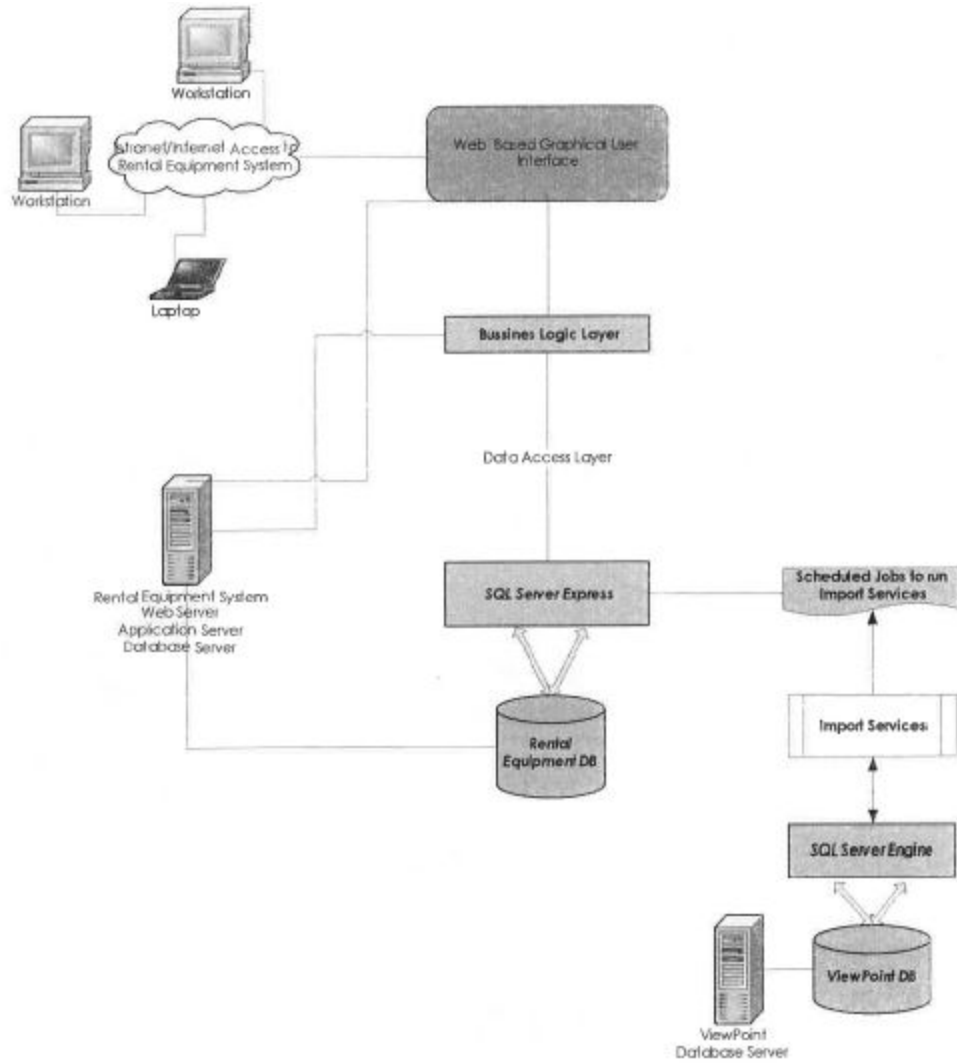
• **Buy-Out Form**

Available	Typical	Sort Fields
Selection Options	Selection Options	
Job:		Job:
Vendor:		Vendor:
Rental Asset ID:	1033	

Process flow



Architecture



Sample Screens:

GLOBAL COLLEGE ARCHITECTURE

Wednesday, September 21, 2011

MOSITES RENTAL MANAGEMENT

Login ID:

Password:

☐ Remember my ID

Log In

[Forgot Username](#)

[Forgot Password](#)

The screenshot displays the SummitWorks web application. At the top left is the SummitWorks logo. The top right corner shows a welcome message: "Welcome Joe Pacini" and the date "Wednesday, September 21, 2011", with a "Logout" link. Below the header is a navigation bar with tabs for "Settings", "Rental Management", "Vendors", and "Reports". On the left side, there is a sidebar menu with three options: "RentalsByJob Report" (selected), "RentalsBy Equipment Report", and "RentalsBy Vendor Report". The main content area is titled "Rentals By Job Report" and includes a date range selector set to "From: 09/01/2011" and "To: 09/21/2011". Below this is a toolbar with a "Columns & Format" dropdown, an "Export" button, and a "Print" button. The report content is titled "RENTALS BY JOB REPORT" and lists the following information: "MOSITE CONSTRUCTION COMPANY, INC.", "4839 CampbellsRun Road", "Pittsburgh, PA 15205", and "Date: 09/21/2011".

Proposed Deliverables:

The deliverables will include:

- Application specification document
- Database design and data dictionary
- Application source code (ASP.NET and SQL script).
- Compiled deployable application build
- Deployment guide