

Overview:

This solution was built for a reputed chain of eye care hospitals in UK. The client ranks amongst the leading and oldest establishments in the field of Lasik laser eye surgery. Known for its unique consultative approach, the client has a reputation for setting very high standards of care delivery. One factor they feel has contributed significantly to their success over the years has been their proclivity towards leveraging information technology to serve their primary functions.

Mindfire Solutions was approached to offer solutions for two different facets of their work: patient portal and inventory management. Each plays a critical role in the overall delivery of their services.

Client details:

Name: Confidential | **Type:** Logistics | **Location:** UK

Technologies:

FileMaker17

Project Description:

Across the chain of hospitals, numerous medical procedures are performed on a daily basis. It is, therefore, of critical importance to have the right levels of inventory of the products that are needed for these procedures. In order to run these establishments optimally, the client wanted to have a system in place that brought more certainty and control over their inventory. Unfortunately, there were certain critical pieces missing in the existing setup and were contributed towards pulling down the overall efficiency. Besides that, a proper streamlining of the activities also needed to be performed. The team@Mindfire thought through the process and developed a system that complemented the revised workflows perfectly. Broadly, the following activities get done now:

- Admin staff with the authorized roles can raise Purchase Orders, Accept the delivery of goods, and Update the inventory. All the required levels of authentications are put in place.
- Surgeries or events that consume resources from the inventory are defined in the system as “Projects”. Every such Project entry clearly enlists the products it needs from the inventory for its effecting.

Inventory Management in Hospital

- The Projects are mapped to the corresponding Physicians, and Patients who are scheduled to undergo surgeries/treatment.
- Once a Project commits to consume certain types of products for its execution, it automatically leads to an updation of the inventory levels for those.
- Every product in the inventory has a defined recorder level to ensure its timely availability
- Almost all important activities are automated and intertwined as per need at the Point of Care

Architecture:



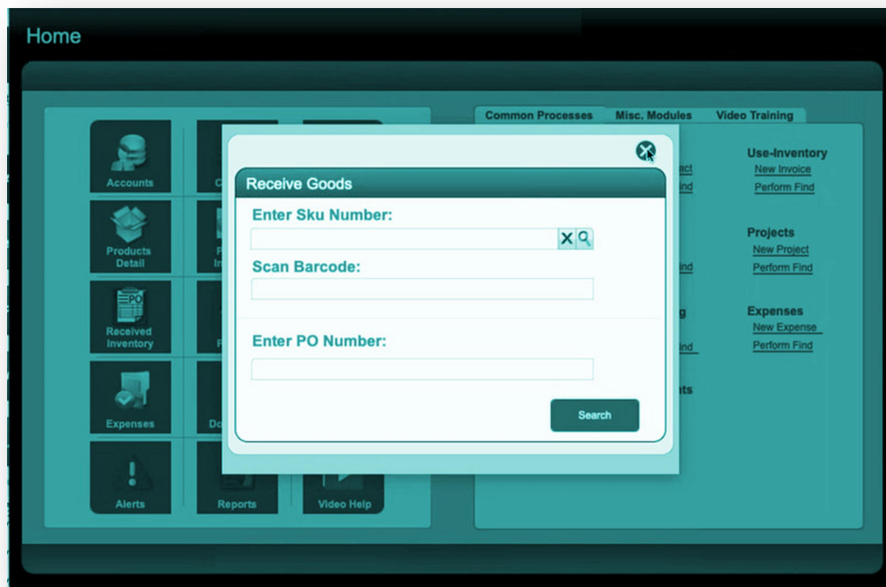
Screenshots



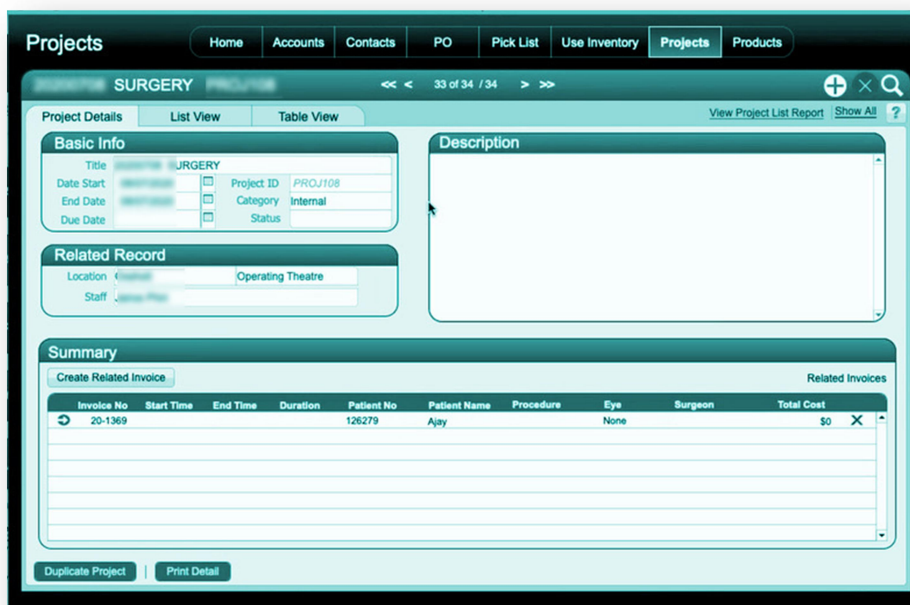
Screenshot 1: Dashboard for Staff



Screenshot 2: Purchase Order



Screenshot 3: Receiving Inventory



Screenshot 4: Project Entry

Use Inventory Home Accounts Contacts PO Pick List **Use Inventory** Projects Products

Invoice No: 100-1000 << 1 of 201 / 201 >>

Invoice Details List View Table View Summary Charts Duplicate Invoice Print Invoice Email Invoice Reports Show All

Project: 20200713 SURGERY

Patient Details:
 Patient No: 126619
 First/Last Name: AYLMORE, PETER
 Date Of Birth: [Field]
 Insured/Self Pay: Insured *Self pay

Pick List:
 cataract eye surgery SMD >>
 Omega Eye (single bottle) >>
 Omega Eye (triple pack) >>

General Details:
 Surgeon: [Field]
 Anaesthetist: [Field]
 Completed by: [Field] Staff
 Tracking No. #: [Field]
 Tracking Date: [Field]

Timing Details:
 Start Time: 15:00 Procedure Time: [Field]
 End Time: -15:00:00

Payment Info:
 Date Paid: 13/07/2020
 Amount Paid: ?
 Status: Active

Account Use:
 Amount Facility Billed: [Field]
 Facility Profit: £0.00
 Overall Profit: ?

ID	Product	Description	Serialize	Taxable	Qty	Unit Cost	Unit Price	Cost	Price
PD12991	100-1000-1000-1000		<input type="checkbox"/>	<input type="checkbox"/>	1			£0.00	£0.00
PD13528	100-1000-1000-1000		<input type="checkbox"/>	<input type="checkbox"/>	1	£0.00		£0.00	£0.00
PD9994	100-1000-1000-1000		<input type="checkbox"/>	<input type="checkbox"/>	1	£36.00		£36.00	£0.00

Notes Diagnosis Digital Docs Payment Message

Notes for the Printed Record Notes for Internal Use

Commit from Inventory

Subtotal Price:	?
Cost of Sales:	£138.33
Margin:	?
Total:	£0.00

Screenshot 5: Project Inventory Mapping