

Description:

The objective of the application is to help gynecology practitioners to manage and maintain patient information through a web interface. It mainly caters to the needs of a gynecology practice in helping patients deal with infertility and other gynecology related problems. It creates and coordinates ART (assisted reproductive techniques), treatment calendars and prescriptions for patients with infertility related complications.

The system monitors the day-by-day progress of the patients undergoing reproductive treatment using cycle sheets and digital progress notes. Doctors get enabled to constantly monitor the proceedings from the embryo retrieval to the embryo transfer process. This system offers utmost flexibility in maintaining and managing office and patient documents of any gynecology related practice.

Additional features include managing and maintaining the laboratory operations, online registration of patients and sharing their treatment details with SART (US Govt. central database) etc.

Some the functionalities provided are:

- Managing patients on the basis of different clinics.
- Creation of ART treatments for patients.
- Managing and maintaining office and patient documents of a gynecology practice. There is a separate LOGIN system for managing these documents.
- Interaction between Staffs of clinics with patients through CHAT MESSAGES.
- Separate Patient Login to view/print previous Treatment Calendars and Message system to interact with Clinic Staffs.
- Managing PROTOCOLS for various ART treatments.
- Maintaining Progress Notes and Lab test for patients.
- Maintaining History and Physical Exam for patients.
- Interact with FilerMaker application to manage USERS.
- Manages the Rx for specific treatments.
- Manages Egg Donors and Surrogates.

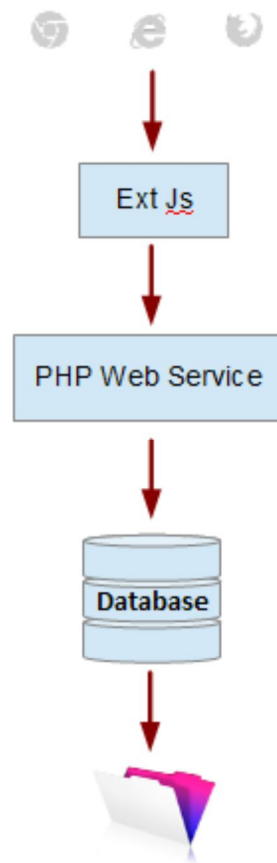
Technologies:

Ext Js JavaScript Framework, HTML5, PHP web services, MySQL database

About our Client:

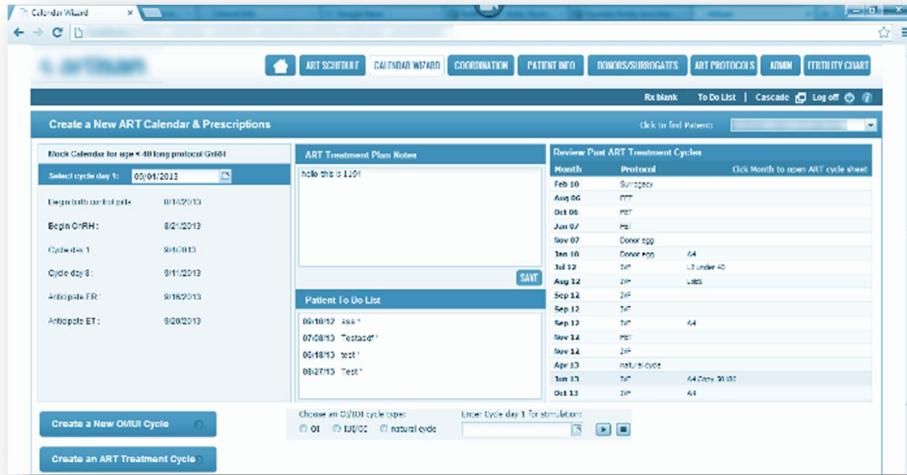
Client Name: Confidential | Location: CA, USA | Industry: Healthcare

System Diagram:

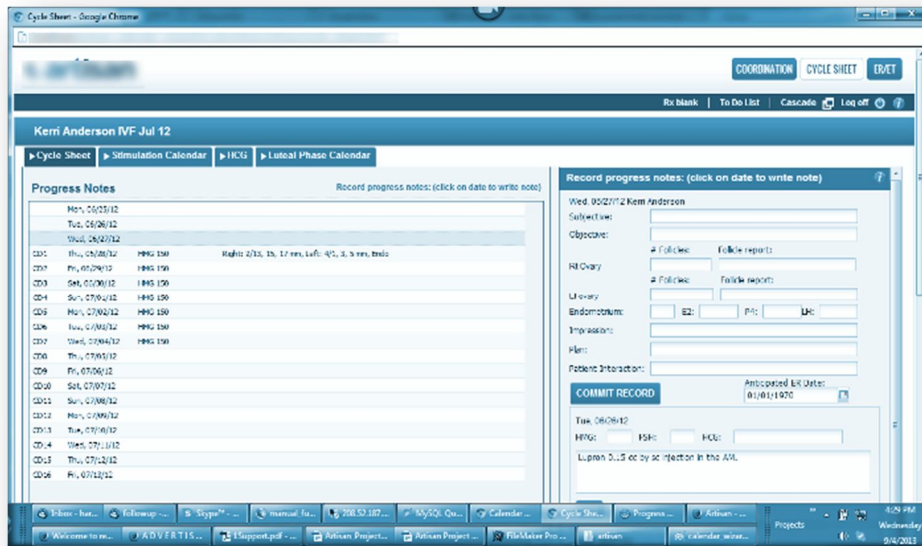


In this application ExtJs is being used as a Frontend JavaScript Framework and PHP is being used as Backend server side scripting language to interact with MySQL Database. FilerMaker application also uses the Same MySQL database. So user can use both FilerMaker as well as Web application. Here PHP web services also used to create new Users at FilerMaker application.

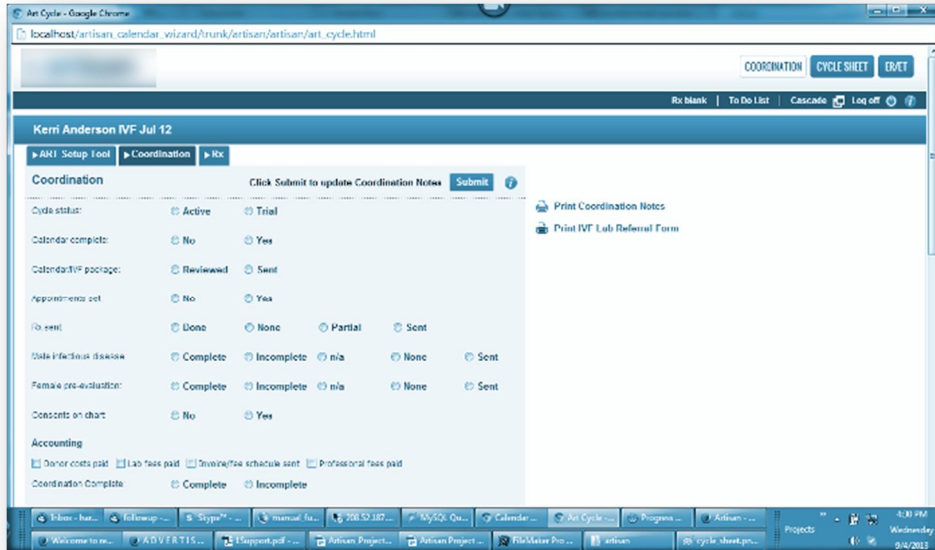
Screenshots:



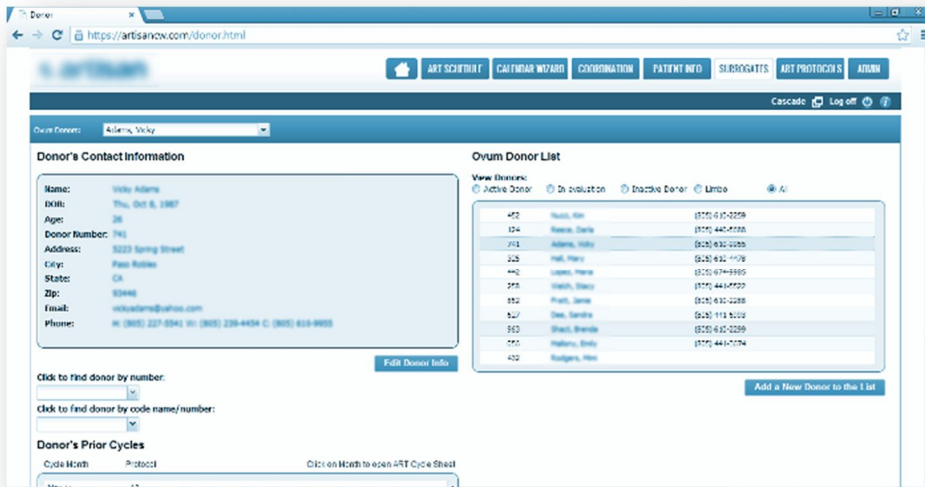
Screen 1: Calendar Wizard of the application. User can select the patient and the treatment cycle as well as create a new cycle.



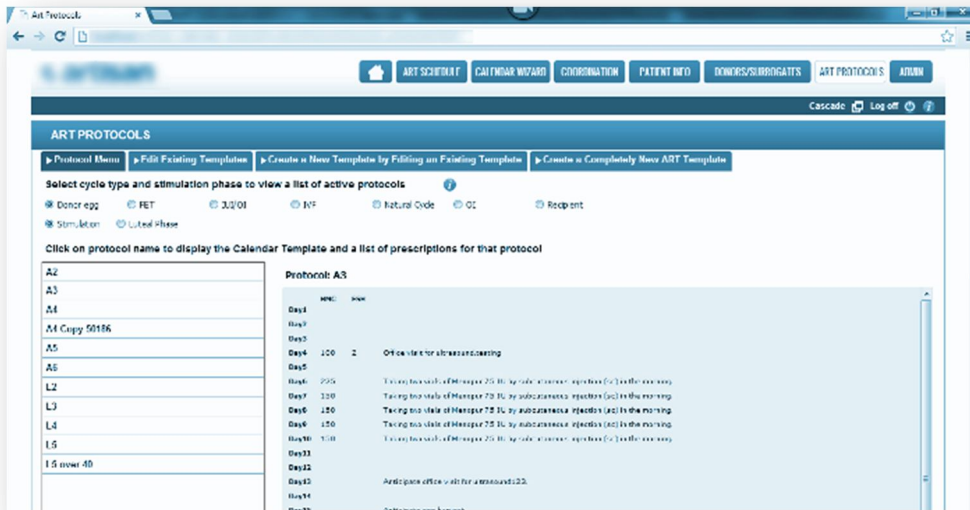
Screen 2: Cycle Sheet of the treatment calendar of a patient. Users can see the Stimulation and Luteal phase calendar.



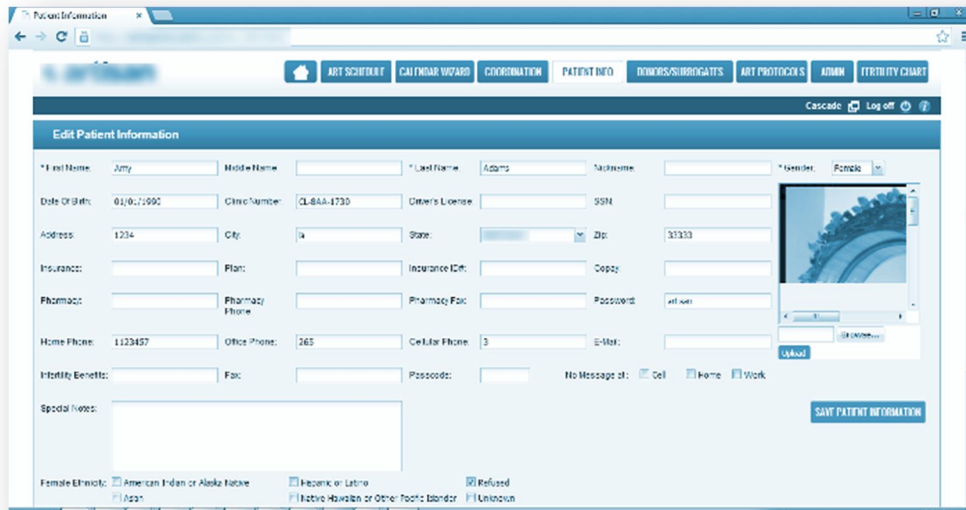
Screen 3: This is where a user can setup the treatment parameters.



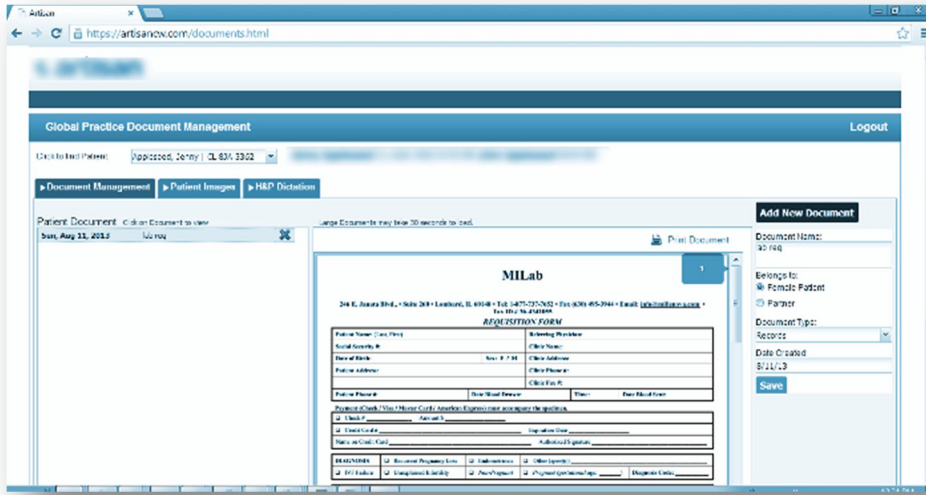
Screen 4: This section is where a user can manage the donors as well as the surrogates.



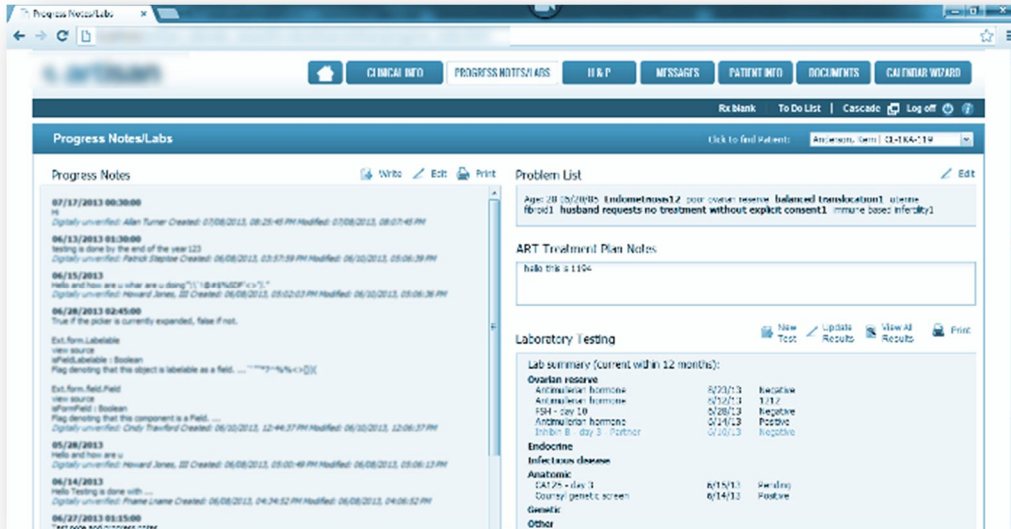
Screen 5: In this section the user can manage the protocol for the Treatment Calendar for various types of treatment cycles.



Screen 6: Here a user can manage the patient information.



Screen 7: Document Management system. Here a user can manage the documents of patients.



Screen 8: Progress Notes