MDConsults is the first complete web and mobile-based Telemedicine application in the world with options of store & forward, image management and live teleconsultation.

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INTRODUCTION:

‘MDConsults’ is the world's first mobile and web based telemedicine solution, aimed at improving access to health care in all parts of the world. It helps connect patients in rural areas with the specialists in the urban centers for providing diagnosis and care, without the need for patients to travel to the hospitals. MDConsults also empowers health providers and the patients to take better manage their health in their home environment. Its features range from live video-conferencing, using specialized telemedicine devices, to store & forward communication for assistance in diagnosis, and personal care using smart phone applications. MDConsults also allows reporting of radiology and pathology images from any part of the world. High level of data security and standards for data sharing make MDConsults one of the most versatile telemedicine solutions in the world.

The personal healthcare mobile application ‘MyMDConsults’ is developed to empower the individuals and caregivers for taking control of the personal health information and consulting health providers when required. This is an extension of the features provided by MDConsults to ensure access to healthcare at the community level. MyMDConsults enables the individuals to monitor their lifestyle, essential vital signs, lab results and other information, and share the essential information with their caregivers. The application also allows live and Store & Forward consultations with the health care providers.

MDConsults can be used for teleconsultation in Pathology, Radiology, Dermatology, Pediatrics, Obstetrics and Gynecology, Internal Medicine, Family Medicine, Psychiatry, ENT, Orthopedics, Cardiology and Surgery.

MDConsults web application can be easily accessed by any browser whereas MDConsults mobile application and MyMDConsults personal care application is available at Google Play store.
Key Features of MDConsults:
- Range of options like store & forward and live teleconsultation
- Web-based platform for availability in most parts of the world
- Low-cost telemedicine solution
- Developed using Open architecture and standards
- Available as hosted and server-based solutions
- Accessible through mobile devices
- Efficient for reviewing images
- SMS and Email alerts
- Easy integration with other software
- Data security and easy sharing

Services Provided by Tech4Life Enterprises:
- Development and Installation of MDConsults
- Customization of software to meet the needs of the organizations
- Hosting of the software
- Training and technical assistance for all users and managers

Required software/plugin to get best services of MDConsults:
- Java Plugins and versions
- Flash players
HOW TO LOGIN

Step 1:
MDConsults is easily accessible by typing http://mdconsults.net in your browser using your computer or mobile device.

Step 2:
The program requires User ID and Password for security purpose. For login you need to click on the login button at the right side bar, login ID is provided to the users by the system administrator.
Step 3:
Entering your correct User ID and Password will take you to the home page of MDConsults, which shows all the options available on the top bars.

Step 4:
For viewing the groups you have to click on the Add/Review cases from the top bar. You can now view the list of specialty groups and access the concerned group where you are enrolled. The red world sign shows that the case is ‘unread’.
Step 5:  
By clicking on a particular group you can make a new case and view group history (previous case). The steps include:

- New (upload a new case)
- Member (you can view all the admin and members of that particular group of healthcare hospital)
- Export (transfer the case to other system)
- Import (importing the case from other system)
UPLOAD A CASE

Step 1:
To make a **new** case, you must click NEW and then fill in the relevant information and save.

Step 2:
Once the case is uploaded you can see the following options:

- Home (Go back to home page )
- List (shows the previous list of cases)
- Edit (make changes in the case)
- Delete (to delete the case)
- Chat (You can contact other members for immediate assistance)
- Add (Add an image to the case)
- Slideshow (You can view the images in slideshow)
- Compare (comparison between the images)
Step 3:
The case is then uploaded. An automatic SMS and an email is generated to the patient and physician.

REVIEW A CASE (Physician/Expert)
Once the case is uploaded, physician can review the case any time. For diagnosis of any images attached with the case, such as the slides, x-rays, or pictures, the expert can open the image, zoom in and out, and apply contrast and different filters for the precision in diagnosis.

Step 1:
For reviewing a case, the expert will follow the same procedure for login and after entering the relevant group (the red icon with group name indicate that this case is unread)

You can review your case and leave your comment; you can also diagnose images by applying different filters. You can attach image and file for references by clicking on choose file below the comment box and submit.
Step 2:
MDConsults has imaging module like ImageJ and Image Drop for better image diagnosis. For Image Drop, you need to click on the image; you can see the drawing option right above image.

Step 3:
Click on ImageJ for better image diagnosis, you can avail ImageJ option by clicking on the image and then ImageJ option right above the image. Further, you can compare the images and send the image for referral.
REVIEW A CASE (Health care provider)

The health care provider has to follow the same steps as above and can see the recommendation shared by the Expert/Physician.

HOW TO BOOK AN APPOINTMENT FOR LIVE CONSULTATION

Step 1:
For appointment/scheduling, you need to go on appointment option at the right side bar

Select the Group, Specialization and Physician to whom you want to have consultation and click on the day/date.
Step 2:
You can drag and drop for time and add a suitable title

Step 3:
Once you have selected the time a pop up window would appear where you can add your ID number and add the event.
**Step 4:**
Once the appointment is finalized a system generated SMS and an Email is send to the physician and health care provider.

**HOW TO START A LIVE TELECONSULTATION**

**Step 1:**
Physician has to click on live consultation which is mentioned at the right side bar at his appointed date and time to start a live teleconsultation.

**Step 2:**
For live consultation you need to enter and name and click on to the Enter Live Consultation Tab. After enter the tab you have to click on Allow mentioned at the top left corner to enable the camera and microphone.
Step 3:
You have now entered in the room where you can see the two way consultation and can add Doctor’s Note as well.

For logging out from MDConsults, you can click on the setting and then select Log out.
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