

# **Smoothing The Workflow**

**An Efficient and automated way to expedite your workflow**

# Scenario - HealthCare

## Speed up the reporting system

I am a medical doctor, and need to finish patients' reports every day. It takes me most of time (around 8 hours) working in hospital.

[Questions]

***Does any ways for me to speed up the process and automate the workflow? Hopefully I can finish the work and shrink the time from 8 hours to 2 hours.***

# Existing Solutions

## Reporting system

1. Consume lots of time for typing
2. Generate some typos
3. Need to remember the abbreviation words.
4. Complicated typing process
5. Not a systematic reporting process
6. Software company does not have schedules and plans for the upgraded version. (Basically it is not easy for them to revise the system, because the infrastructure is fixed.)
7. Too much work for the reporting tasks and does not have extra time to do the research and proposed POC (proof of concept) to enhance the concurrent healthcare.



# New Solutions

## Expectations

- Shrink the working time from 8 hours to 2 hours.
- Not necessary to access the existing reporting systems.
- Generate the solutions in seconds and attach ASCII text file in csv format
- Copy and paste to your existing reporting systems.



# New Solutions

## Expectations

- Satisfy the HIPAA regulations.
- Easy to trace the reporting records for patients.
- Digitize and automate the workflow.
- Generate a database with csv files.
  - Data Analytics
  - Machine Learning



## Knee - MRI Report of Musculoskeletal System

- Demo (please key in your email address and try that)
  - Fill out the form and submit
  - Generate the email automatically and send to you immediately.
  - Generate a csv file attached in email.
  - Open email and csv file
  - Copy and paste to the existing system.
  - Done



# Results

## MRI Report (Knee)

Dr. Hondar Wu <albert@uniqlinc.com>  
To: Uniqlinc <uniqlinc@gmail.com>  
Reply-To: Albert <albert@uniqlinc.com>

please see the attached file for copying and pasting.

1 Attachment - Save All

uniqlinc@gmail.com\_MRI\_reports.csv  
1.22 KB

Reply Forward Quick Reply

Email notice

Report with ASCII text  
- ready for copying and  
pasting to the existing systems

MRI of the knee without contrast enhancement, using fast spin echo sagittal proton, T2 WI, coronal T2 WI with fat saturation, and axial T2 WI with fat saturation was performed.

### Conclusion

>Location Side: RT knee

### > Image Findings

Email Address [uniqlinc@gmail.com](mailto:uniqlinc@gmail.com)

>Location Side: RT knee

>Anterior cruciate ligament: intact

>s/p anterior cruciate reconstruction: intact

cyclops: no

roof impingement: no

femoral tunnel: intact

tibial tunnel: intact

>Medial meniscus: intact

>Medial root: intact

>Lateral meniscus: intact

>lateral root: intact

Posterior cruciate ligament: intact

>Hyaline cartilage: medial compartment: intact

>Hyaline cartilage: Lateral compartment: intact

>Hyaline cartilage: Patellar-femoral joint compartment: intact

>Medial collateral ligament: intact

>Lateral collateral ligament: intact

>Lateral patellofemoral ligament: intact

>Medial patellofemoral ligament: intact

>Posterolateral corner: intact

>Bone: intact

>Joint, synovium: intact

>Baker cyst: no

>Ganglion cyst: no

>Pes anserine: intact

>Medial plicae: no

>Suprapatellar plicae: no

>Prepatellar bursa: intact

Folders and filenames generated automatically

Search in Drive



My Drive > MRI - DR. Hondar Wu > test

Name	Owner	Last modified	File size
uniqlinc@gmail.com_MRI_reports.csv	me	2:30 PM me	1 KB