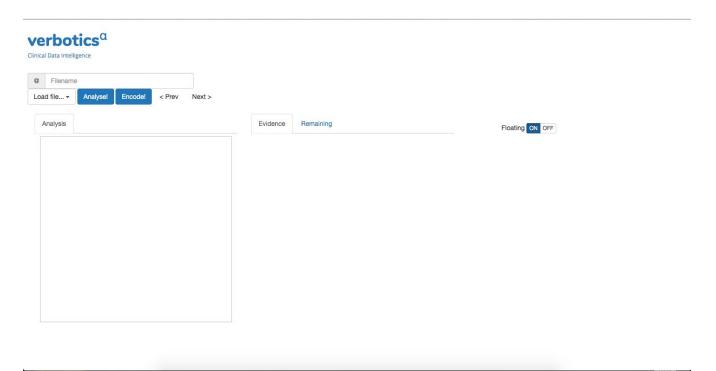


Verbotics^α

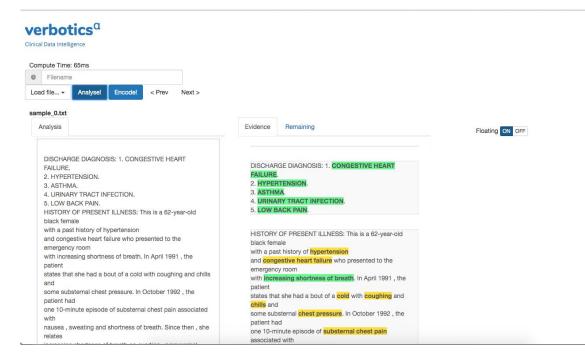
Overview

- Verbotics is a website designed to help medical coders come up with the billing codes for each medical report they receive.
- The website will read the medical report and produce the bill codes
- The medical coder still has to check if the output is still correct

Original UI (Loaded Page)



Original UI (Analyze)



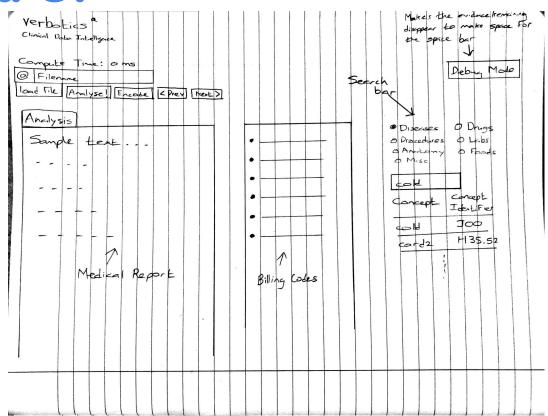
Original UI (Encode)

associated with

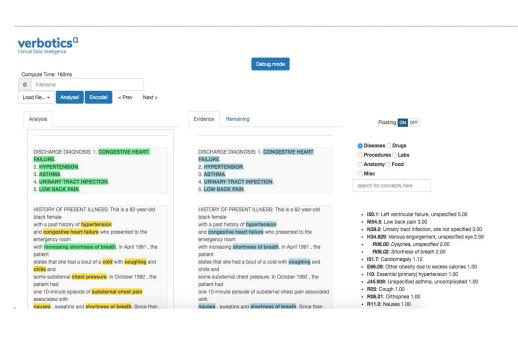
verbotics^a Clinical Data Intelligence Compute Time: 170ms Filename Load file... -Analyse! Encode! < Prev Next > sample 0.txt Analysis Evidence Remaining Floating ON OFF . I50.1: Left ventricular failure, unspecified 5.00 M54.5: Low back pain 3.00 DISCHARGE DIAGNOSIS: 1. CONGESTIVE HEART DISCHARGE DIAGNOSIS: 1. CONGESTIVE HEART . N39.0: Urinary tract infection, site not specified 3.00 FAILURE. FAILURE. · H34.829: Venous engorgement, unspecified eve 2.59 2. HYPERTENSION. 2. HYPERTENSION. R06.00: Dyspnea, unspecified 2.00 3. ASTHMA. 3. ASTHMA. R06.02: Shortness of breath 2.00 4. URINARY TRACT INFECTION. 4. URINARY TRACT INFECTION. . I51.7: Cardiomegaly 1.12 5. LOW BACK PAIN. 5. LOW BACK PAIN. • E66.09: Other obesity due to excess calories 1.00 . I10: Essential (primary) hypertension 1.00 J45.909: Unspecified asthma, uncomplicated 1.00 HISTORY OF PRESENT ILLNESS: This is a 62-year-old HISTORY OF PRESENT ILLNESS: This is a 62-year-old · R05: Cough 1.00 black female black female • R06.01: Orthopnea 1.00 with a past history of hypertension with a past history of hypertension R11.0: Nausea 1.00 and congestive heart failure who presented to the and congestive heart failure who presented to the · R60.9: Edema, unspecified 1.00 emergency room emergency room . T78.40XD: Allergy, unspecified 1.00 with increasing shortness of breath. In April 1991, the with increasing shortness of breath. In April 1991, the · Z73.3: Stress, not elsewhere classified 1.00 G03.0: Nonpvogenic meningitis 0.80 states that she had a bout of a cold with coughing and states that she had a bout of a cold with coughing and . Z90,710: Acquired absence of both cervix and uterus 0.22 chills and chills and some substernal chest pressure. In October 1992, the some substernal chest pressure. In October 1992, the one 10-minute episode of substernal chest pain one 10-minute episode of substernal chest pain

associated with

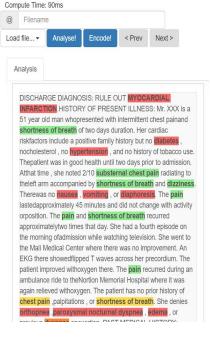
Planned UI



Debug Mode









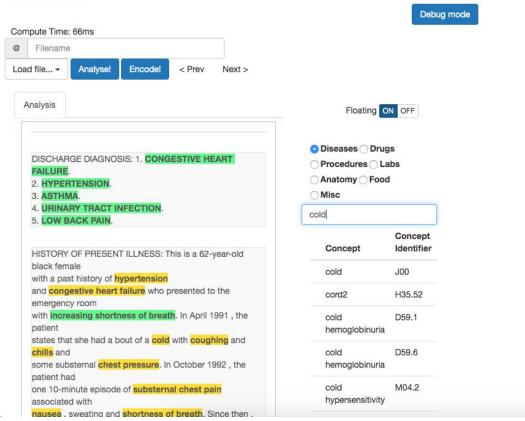
- Z95.1: Presence of aortocoronary bypass graft 4.00
- . G89.28: Other chronic postprocedural pain 2.00
- R06.00: Dyspnea, unspecified 2.00
- R06.02: Shortness of breath 2.00
- . O75.89: Other specified complications of labor and delivery 1.32

Debug mode

- Z37.9: Outcome of delivery, unspecified 1.32
- E66.09: Other obesity due to excess calories 1.00
- R01.1: Cardiac murmur, unspecified 1.00
- R42: Dizziness and giddiness 1.00
- . R53 83: Other fatigue 1 00

Search Bar





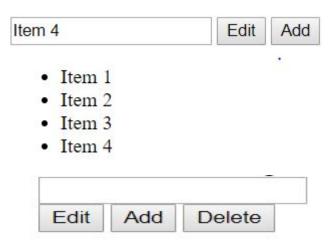
Edit & Add & Delete

Edit Add

- Item 1
- Item 2
- Item 3

Edit Item 2 Edit Add

- Item 1
- Edit Item 2
- Item 3
- Item 4



- Item 1
- Item 3
- Item 4

Limitations

Knowledge

Limited scope of knowledge on JS and jQuery

Syncing

 The Add/Edit and Search bar functions work separately but the challenge we are facing now is to make them work in sync.

Design

 Couple of flaws in the design including the Debug button and the use of white space in the website.

Questions