Hi Trudy and Erdem,

Here is the framework we have for the research paper; we’ve highlighted in red which sections address what criteria for HINF140, blue for HINF280, and purple for both. Please don’t hesitate to give us recommendations for changes:

* Style:
  + Double spaced
  + 12pt font
  + 1 inch borders
  + ~20 pages
  + APA reference style
* Title page
* Index
  + Table of contents
  + Table of figures
* Introduction:
  + Problem definition
    - Overprescription of opioids
    - “What information is needed by whom to do what?”
  + Scope of our paper & approach
  + 2. Define the issue. Describe your approach and scope of the paper (10 marks)
* Historical context
  + What is the Opioid Epidemic & Opioid Dependancy
    - 3. What is the issue you are addressing? Who or what does it impact? (10 marks)
  + Events & Dates
    - 4. How did the issue arise? (10 marks)
  + Legal
    - Pharmaceutical legislation
  + Covid-19
* Current status of the challenge or issue:
  + Current prescription process
  + Overprescription
    - Marketing & lawsuits
      * 5. What forces are influencing the issue? (20 marks)
  + Pharmacies
    - Patient prescription abuse
    - Over-the-counter opioids
      * Street drugs & fentanyl
    - 5. What forces are influencing the issue? (20 marks)
  + Current & future consequences
    - 4. What are the consequences of the issue not being resolved? (10 marks)
* Stages of the Disease: “What information is needed by whom to do what?”
  + Socio-economic risk factors
    - 1. What are the risk factors for this disease?
    - Critical data
      * Prediction
      * Prevention
  + Disease contraction
    - Patient objectives
      * Recreational abuse
    - Physical injury & overprescription
    - Healthcare objectives (look into healthcare perspectives)
      * Doctors perspective
      * 2. Who are the decision makers?
      * 3. Information systems
      * 3. Critical data
      * 4. What information is missing, and what are we trying to do?
      * 5, 6. Information systems & medium of collection
  + Early symptoms
    - Pathology
    - Patient objectives
      * Managing withdrawals
    - Healthcare objectives
      * Pharmacy systems
      * 2. Who are the decision makers?
      * 3. Information systems
      * 3. Critical data
      * 4. What information is missing, and what are we trying to do?
      * 5, 6. Information systems & medium of collection
  + Diagnosis
    - Patient objectives
    - Lab examination
      * Patient charts
    - Testing methods
      * 3. Critical data
    - Healthcare objectives
      * Treatment options
      * 2. Who are the decision makers?
      * 3. Information systems
      * 3. Critical data
      * 4. What information is missing, and what are we trying to do?
      * 5, 6. Information systems & medium of collection
  + Maturity
    - Patient objectives
      * Relapses
    - Healthcare objectives
      * Overdose & Emergency services
      * 2. Who are the decision makers?
      * 3. Information systems
      * 3. Critical data
      * 4. What information is missing, and what are we trying to do?
      * 5, 6. Information systems & medium of collection
  + Complications leading to death
    - Overdose statistics
    - Healthcare objectives
* What should be done?
  + 6. What does the future hold? (20 marks)
  + Problem definition & system challenges
  + Target user (pharmacists & doctors)
  + New system Design
    - Linking existing systems
    - Artificial intelligence
      * Prediction / prevention
        + Critical data usage
      * Ethics & Data privacy
    - System Relationship Diagram
  + How providing information to pharmacists & doctors will help
  + Change in legislation
    - 6. What should be done? (20 marks)
* Conclusion
  + 7. Summarize your paper. (10 marks)
* References
* Appendices