Monday, November 30, 2020
6:15PM

Goal:

1. The goal of this meeting is to get all major info into this document. Then we can use the time after the meeting / our next meeting to put the presentation into slides.

Objectives:

1. Outline requirements for PDR – I'll run through quickly
2. Define key points for each requirement
   o Most of our meeting
   o I've started off with some things, we need to add to this
   o Goal is to have this be all we need to write the presentation
3. Decide who leads on which requirements

Agenda:

1. **Outline Requirements of PDR** – 3-4 Major Components
   a. **Intro, Problem Statement, Requirements**
      i. "Visualization" slide
      ii. Outline key final requirements
      iii. Summarize deliverables
   b. **System Block Diagram**
      i. Diagram *(Zach's UI Presentation would be helpful here)*
         1. All major components
         2. Control / Data flows
      ii. Break it up into subsystems for clarity *(Kind of like in 311)*
   c. **Technology / Design**
      i. Describe the approach aka the design choices made when implementing the software to realize each component of the system diagram
      ii. BULK of the presentation, should be broken up so multiple people can work on it
      iii. Describe things very technically and be thorough
      iv. Use test results when appropriate
   d. **Schedule** *(Is this a slide???)*
      i. Gantt Chart (Must be included) *(What does this mean?)*
      ii. Functional Project Testing – March 30
      iii. Customer Installation – April (the whole month)
      iv. **ECE Day – May 4** *(5 Months Away)*
2. **Define Key Points for Each Requirement**
   a. **Intro, Problem Statement, Requirements**
      i. Intro
         1. Names of
            a. Project (ContextCheck logo)
            b. Client (Zachary Lasiuk)

   c. Team Members (Sadie Allen, Ye Chen, Bayard Eton, Sean McDonald)

  2. Problems

   a. People get news online more and more

    i. Mitchell, Amy, et al. "How Americans Get Their News." *Pew Research Center's Journalism Project*, 27 Aug. 2020, www.journalism.org/2016/07/07/pathways-to-news/.

   b. Companies use algorithms that present tailored content to you

   c. These algorithms have been known to push false/misleading/extreme content, which increases polarization

    i. Hao, Karen. "YouTube Is Experimenting with Ways to Make Its Algorithm Even More Addictive." *MIT Technology Review*, MIT Technology Review, 2 Apr. 2020, www.technologyreview.com/2019/09/27/132829/youtube-algorithm-gets-more-addictive/.

 ii. Problem Statement

  1. "How can we defuse increasing societal tension inflamed by algorithms?"

  2. Visualization

 iii. Final Requirements / Deliverables

  1. Design of app

   a. Web plugin?

  2. Features

   a. Flags all articles with an indicator of bias

   b. Can click on the indicator for more information

  3. Idea of what it will look like when its all done

b. System Block Diagram

 i. Diagram of all components and data flows

  1. Components

   a. Indicator

   b. Information Window

    i. Metadata Information

     1. Author / Source

     2. Genre

     3. Date published

    ii. Most biased words (and why?)

    iii. Related Content?

  2. Data / Control Flows

   a. Step by step?

    i. Scroll through social media

    ii. Plugin recognizes article

     1. Web scraper feeds info to ML alg

     2. ML alg feeds scores to plugin

    iii. Plugin displays meter next to article

    iv. User clicks meter

1. Plugin opens a new tab (or just a little window on the side of the meter)
        v. Plugin displays more info on the new window
  c. **Technology / Design** *(Bulkiest part of presentation)*
        i. Describe approach taken to implementing the software in order to realize all of the components in the system block diagram *(Describe everything technically and summarize all major functions non-technically as well. Use test results when appropriate)*
  d. **Schedule**
        i. Gantt Chart??
        ii. Functionality Testing – March 30
        iii. Customer Installation – All of April
        iv. ECE Day – May 4
3. **Decide Who Leads on Which Requirements**
  a. Sadie
  b. Ye
  c. Bayard
  d. Sean

What's Next

1. **Next meeting:** Tuesday, Dec 1, 2020 @ 11:15 AM on Zoom (link will be sent to group chat by 11:15)
  a. Preparation for presentation @ 4 PM
  b. Discuss team contract (due 12/2)
  c. Create end of semester goals / objectives
2. **Presentation:** Tuesday, Dec 1, 2020 @ 4:00 PM
3. **Team Contract:** Due on 12/2
4. **Individual Progress Reports:** Due on 12/11 @ 11:59 PM
5. **First Semester Report (20% of our Grade):** Due on 12/13 @ 9:00 AM
6. **Functionality Testing:** March 30th
7. **Customer Installation:** Month of April
8. **ECE Day:** May 4th