Client Retrospective

CITS3200 Group 38

Purpose

The purpose of this document is to reflect on the Global Mobility and Climate Vulnerabilities: OCR project as it currently stands to assess the project's progress and plan steps going forward to address challenges and improvements required to meet the goals of the project.

The software team will demonstrate the project as it currently stands to the Client in a demonstration meeting, where the minutes will record the team's and Client's thoughts about the system.

Part 1: Demonstration and Client Feedback

Date: 18/09/2024

Venue: Teams (Online)

Attendance:

- William Forrest Stewart van den Wall Bake <23086983@student.uwa.edu.au>

- Shashwat Abrol <23482415@student.uwa.edu.au>

- Connor James Fernie <23443143@student.uwa.edu.au>

- Oliver John Dean <21307131@student.uwa.edu.au>

- William Sydney Lodge <22980141@student.uwa.edu.au>

- Ciaran David Petrus Engelbrecht <23169641@student.uwa.edu.au>

Apologies:

- N/A

Absent:

- N/A

Meeting Opened at: 9:00am

GUI Demonstration: The team will demonstrate the graphical user interface as it currently stands to the client

- Oliver demonstrated the code and GUI as it currently stands, highlighting processes such as startup, adding PDFs, auto table detection tools.

- The Client asked if users could upload a whole document or if it must be a single page
- Oliver discussed future improvement of uploading a whole document, allowing it to be scrollable, and how it will impact the GUI
- The Client asked if it is easy to add columns at this stage of the process, and if it is useful to have a cropping tool to aid table detection
- Oliver demonstrated current implementation of cropping a table and plan to improve this feature
- Shashwat explained user intervention process of table detection stage in the GUI

Command-line Demonstration: The team will demonstrate the OCR extraction functionality as it currently stands to the client

- William Lodge demonstrated the OCR extraction functionality through the command-line
- William Bake explained the processes occurring in the OCR extraction
- Oliver explained the output of detected low confidence/errors in the OCR extraction process and future improvement of a visual indicator for this in the GUI.
- Client expressed that this way of indicating errors is very beneficial for the business workflow.
- William Lodge demonstrated opening and examining the output of the OCR process
- Client asked at what stage of the workflow will a user check the output accuracy
- Oliver explained the expected workflow in the GUI for correcting errors

Client Feedback – The team will then ask for feedback from the client

1. **Client's overall thoughts about the system**

Overall, the client was positive about the current state of the software and explained how the software is meeting current requirements at this stage of the project.

   i. The client expressed appreciation for the efforts from the team
   ii. The client stated that the software as an MVP can definitively meet the requirements of the project

2. **Do the current features implemented meet your expectations?**
   i. The client described how the current features meet expectations and how the team has been transparent and clear about the system as it stands, capabilities and limitations
   ii. Client described how the team has tried to push features to what can reasonably be done and have investigated the high priority features well
   iii. At the current stage the client understands receiving errors in the output from the software process

3. **Are there features or functionalities that are missing from the system as it stands?**
   i. The client expressed that there aren't any missing features/functionality from the software as it currently stands
   ii. Rather the client explained that ensuring the current features are implemented with quality is a higher priority than adding new features or functionality

4. **As the project progresses what are your highest priorities?**

In general, the feedback from the client about the highest priorities moving into the next sprint of the project is that the team improve what has been currently implemented. Specifically, ensuring that the software can achieve the requirements of the project to a high degree of accuracy.

      i. The client expressed that the highest priority is the accuracy of the OCR extraction
      ii. Ensuring bugs and errors have been 'ironed out' of the software
      iii. Improving the cropping tool in the GUI
      iv. Auto table detection improved to increase user efficiency
      v. PDFs can be uploaded as a single document rather than needing to split it up into single pages

5. **Suggestions for improvements**
      i. Improving the accuracy of the OCR is the highest priority suggestion
      ii. The client also suggested ways of improving the cropping tool, and auto table detection tools in the GUI

6. **How the Client Envisions the Next Stages of Development**
      i. Oliver asked about how the client expects the timeline for the next sprint to go
      ii. The client expressed that the team should focus attention on improving the current implementation and perfecting it before adding nice to have features
      iii. The client suggested having users test the software when the team feels it is ready to be used
      iv. The client explained that the team should not focus on user guides or extensive documentation as the client wishes to be involved in the process of development

Team's Thoughts – During the meeting the team will also record their thoughts about the system

1. **Team's overall thoughts about the system and progress**
   - The team discussed being happy with how we are progressing with the project and has addressed the client's requirements well at this stage of the project timeline.
   - Oliver described having a lot of time to improve the software due to the team working ahead of expectations
   - Connor described the current software as being a suitable MVP that meets the basic requirements set out at the beginning of the project
   - William Bake explained that the team has progressed greatly, and the software is ahead of expectations
   - William Lodge described that the OCR extraction as demoed is performing faster than the expected time and is efficiently extracting text
   - Shashwat described how the UI implemented is progressing well

2. **Current challenges faced in the development on the software**
   - Will Bake discussed that a challenge in development of the software currently being faced is the automatic table detection, however, after the team has tried working on it, it may be in a best state currently

- Will Bake discussed performance expectations and challenges faced with user system specifications limiting the efficiency of the OCR processing times.
- The client discussed supplying higher powered machines to tackle this issue.

3. **Plan to address Client feedback moving forward**
   - The client suggested having users test the software when the team feels the system is in a state that is ready for user testing
   - This will provide essential feedback to the team
   - The team discussed the future improvements that will be implemented as a response to the feedback provided during the demonstration
   - The team agreed to continue weekly meeting to receive feedback from the client and iterate on the software during the next sprint

Meeting Closed at 9:52am