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GLITTER: Adopting Innovation to Bridge the Gap Between Programmers and Medical Writers

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Introduction to GLITTER

Revolutionising Content Integration

- GLITTER is a cutting-edge Shiny app developed to enhance the integration of content into Microsoft Word documents at GSK.
- It seamlessly complements internal GSK R packages, providing a user-friendly solution for Medical Writers.
- The app automates the tedious process of adding Tables, Listings, and Figures (TLFs) into Clinical Study Reports (CSRs).

The Challenge at Hand

1

Integration of TLFs into the CSR requires tedious manual effort.

2

Minor adjustments to TLF contents cannot be done on-the-go.

3

GLITTER automates the content integration process, enhancing efficiency and accuracy.

The Innovative Solution: GLITTER

What GLITTER Does

GLITTER offers a standalone user interface for Medical Writers.

Users select specific TLFs to be added into their Word document of choice.

Minor changes to TLFs can be performed without risk of compromising the original data.

Innovation at GSK

Enhances collaboration between Programmers and Medical Writers by streamlining the CSR creation process.

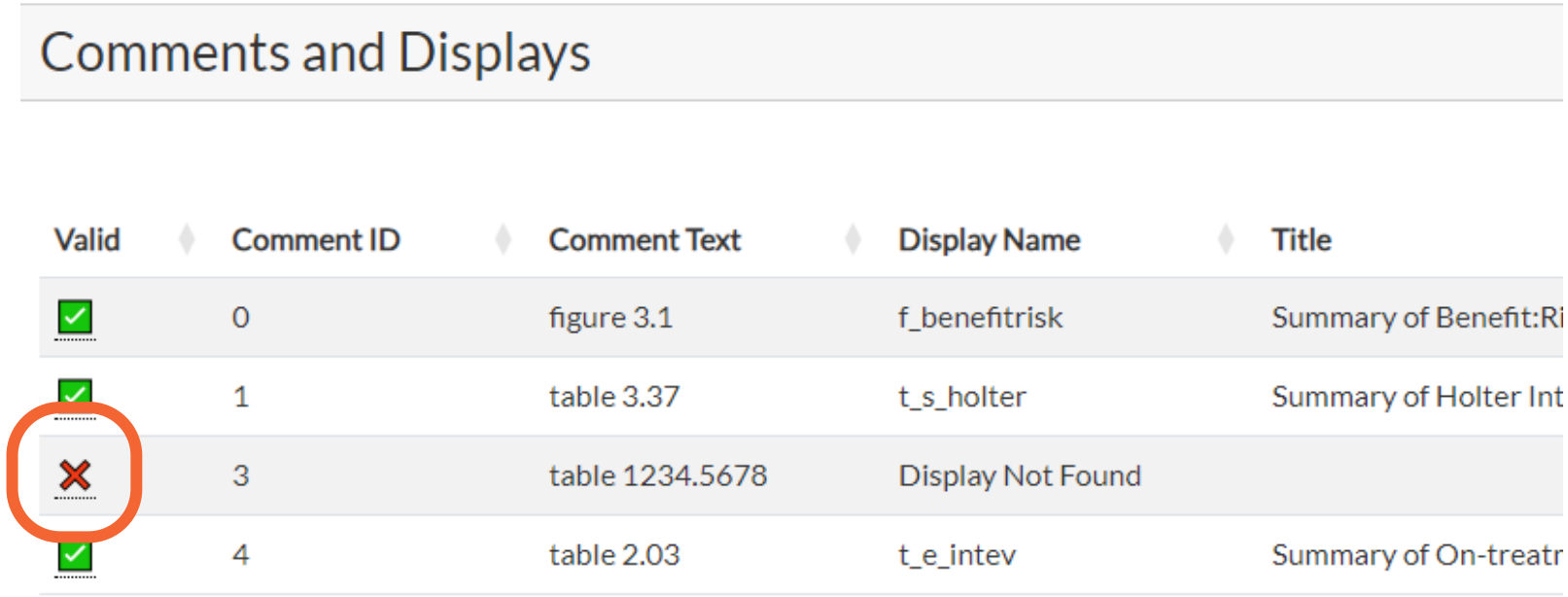
Represents a significant step towards agile adoption of innovative tools within GSK.

End-to-End Process

Initiation

Understand how GLITTER processes TLFs and ensure coding is done in a suitable manner.

Pre-run TLFs in GLITTER's Programmer Mode to spot processing errors, and feedback to GLITTER Developers if necessary

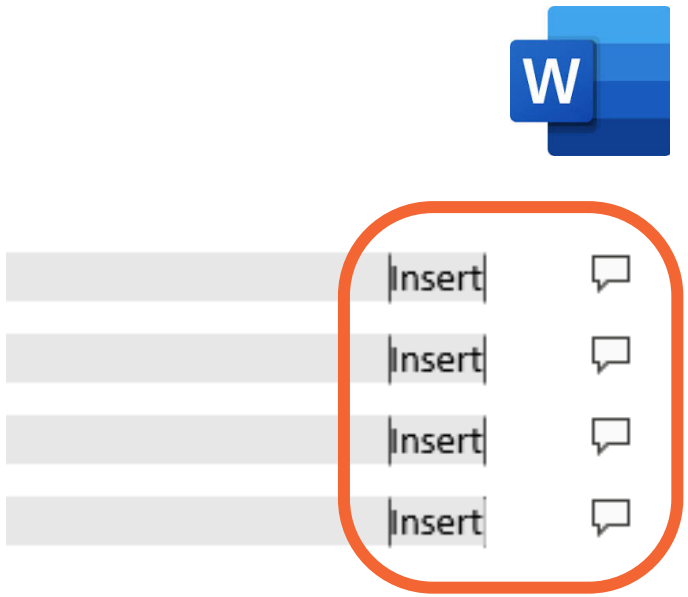


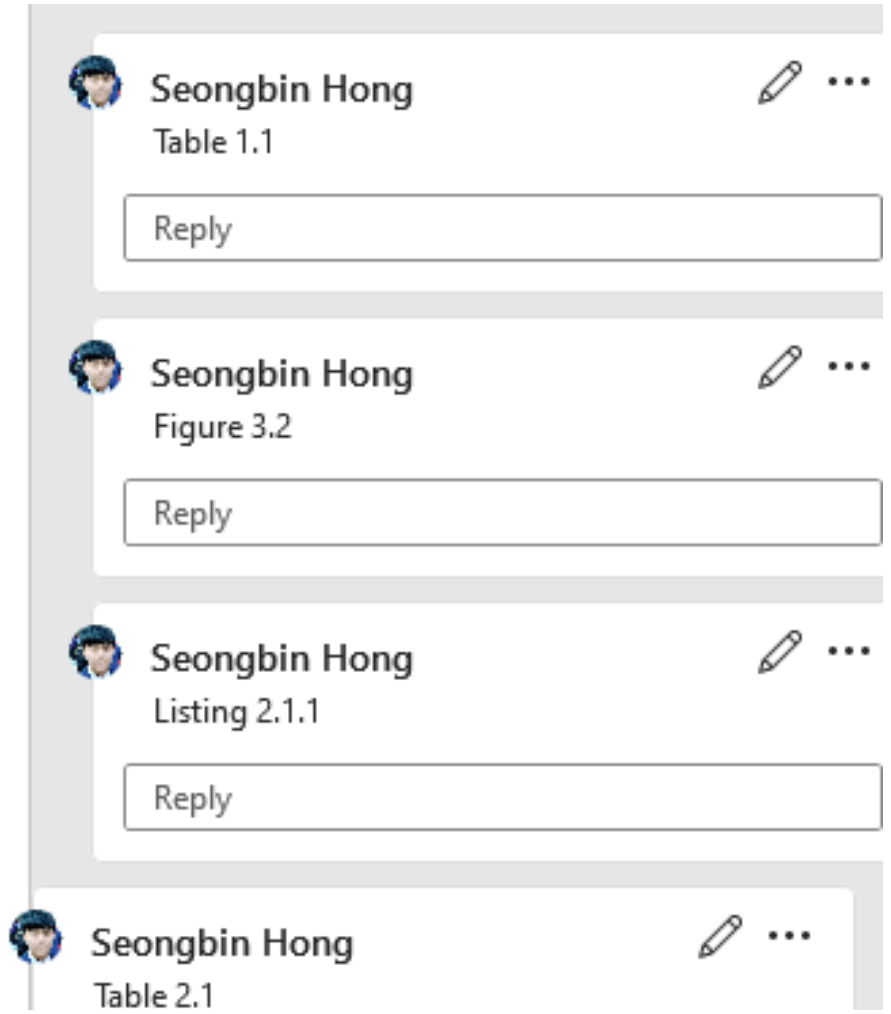
End-to-End Process

Content Integration

Medical Writers produce a Word document, marking the TLFs required and their location.

Load the document into GLITTER, specify the study data location, and process the TLFs.





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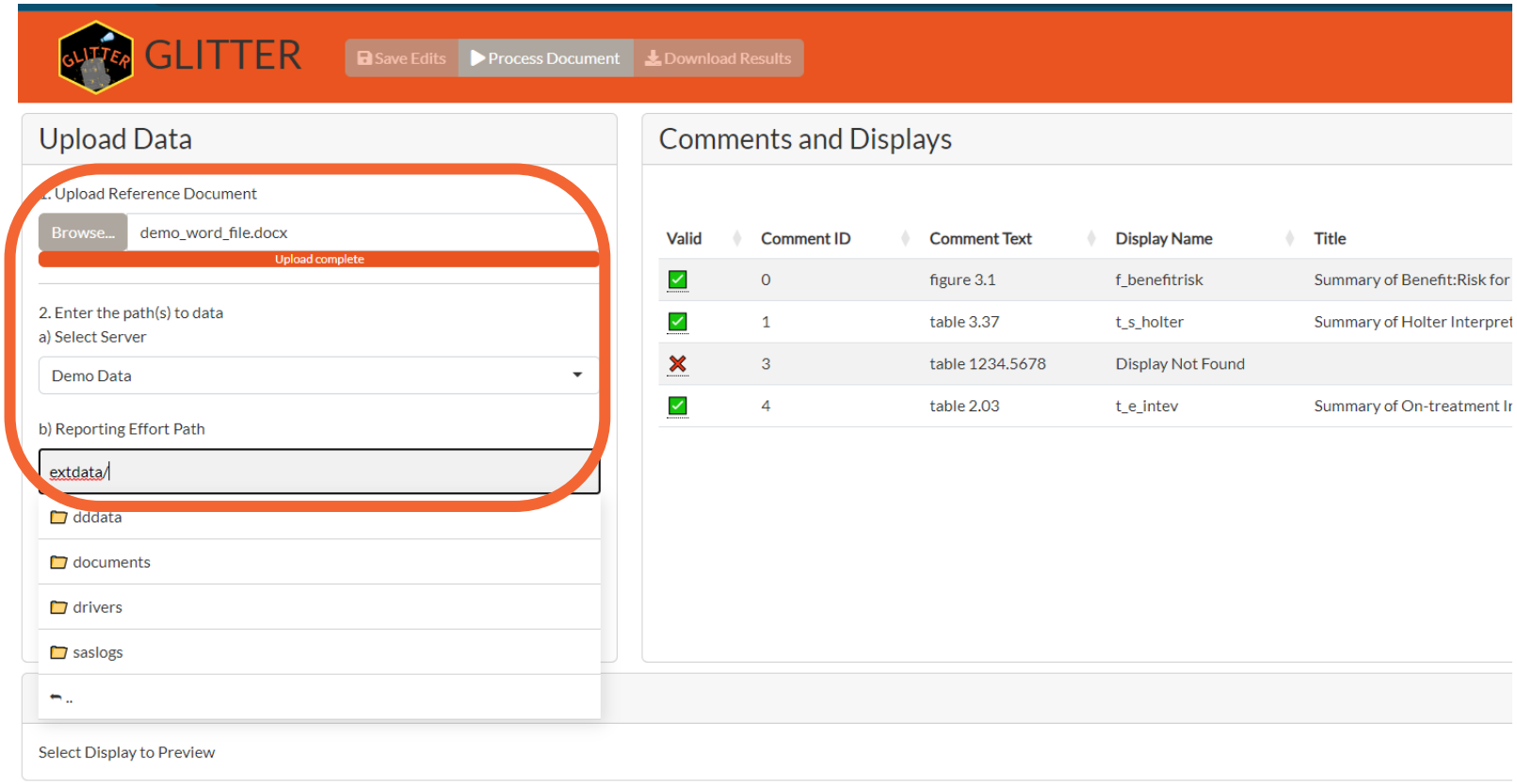
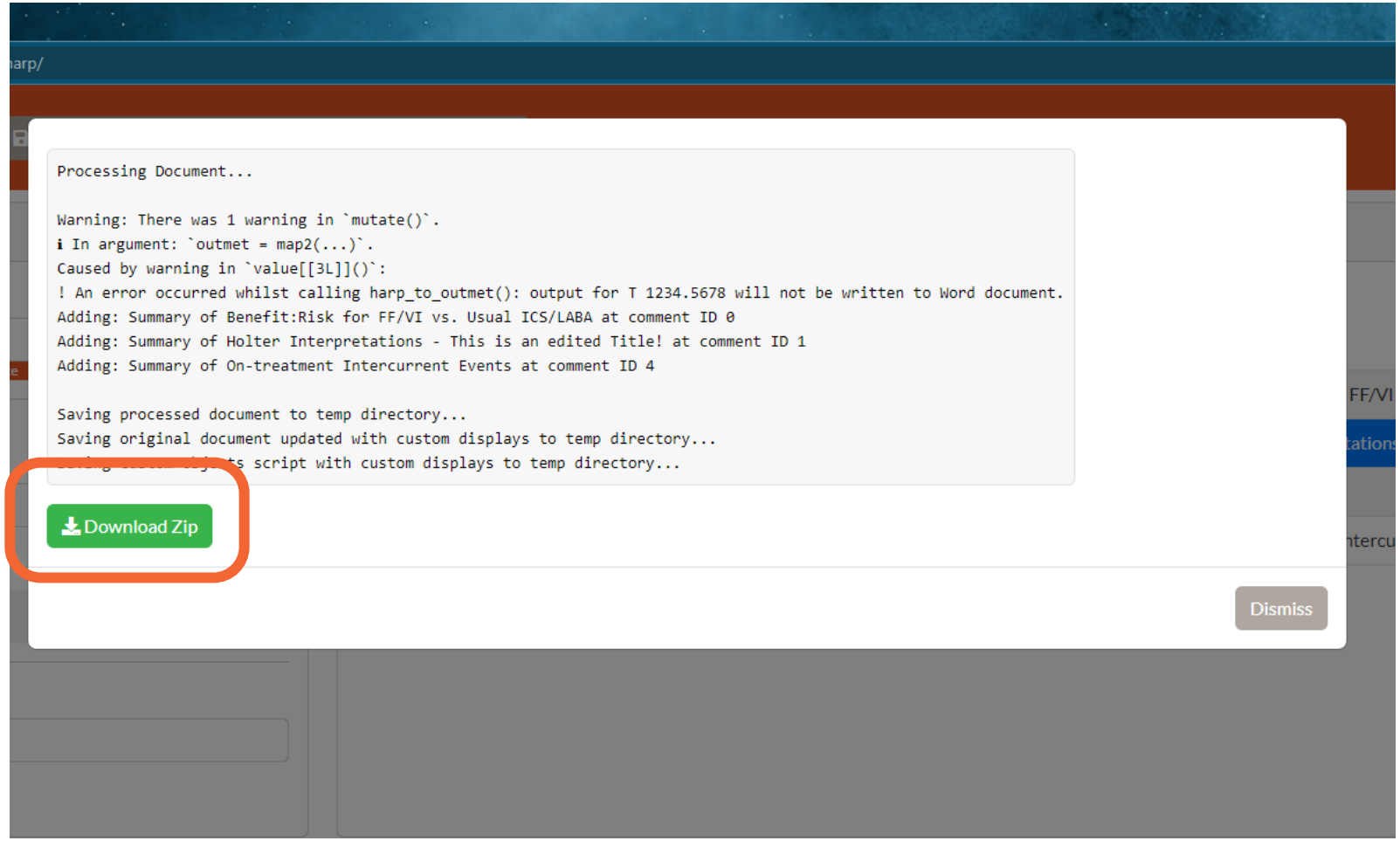


End-to-End Process

Completion and Review

Medical Writers finalise the integrated content, review for accuracy, and provide feedback to Programmers if unforeseen errors arise.



User Perspective: Medical Writers

01

GLITTER has streamlined the process of adding TLFs into CSRs, saving significant time and effort for Medical Writers.

02

The intuitive user interface of GLITTER has made automation possible without physically interacting with any code.

03

GLITTER has empowered Medical Writers by providing a standalone tool that enables a level of editability without the need to involve Programmers.

My Role and Contributions

- Identified bugs in processing specific TLFs through GLITTER
- Supported the end-to-end adoption process of GLITTER within the team at GSK
- Facilitated communication between Developers and Medical Writers to enhance tool efficiency
- Acted as a liaison to provide feedback from users to Developers for continuous improvement
- Ensured Medical Writers understood the capabilities and limitations of GLITTER
- Played a pivotal role in the adoption of GLITTER by my team at GSK

Challenges Encountered

Concurrent Adoption	Integrating GLITTER with GSK's new reporting platform METEOR posed compatibility challenges due to different design objectives.
User Familiarisation	Ensuring Medical Writers were proficient in using GLITTER required many follow-up meetings and resources to maximize tool efficiency.
Data Processing Speed	Optimizing the processing speed of TLFs and documents within GLITTER to meet the demands of high-volume CSRs.
Feedback Incorporation	Incorporating user feedback into GLITTER's development cycle to enhance user experience and address specific needs of Medical Writers.

Adopting Changes to Overcome Challenges

Challenges Faced

- Concurrent adoption with GSK's migration to the new reporting platform, METEOR
- Compatibility issues with the original design of GLITTER for use in the new platform
- What is the best platform for Medical Writers to access GLITTER on?

Changes Implemented

- Overhaul of the main R package driving GLITTER
- Focus on improving processing speed for TLFs and documents
- Continue to be the bridge between Programmers and Medical Writers to ensure functionality is preserved

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Key Takeaways

Emphasise the transformative impact of innovation, as seen in GLITTER's automation of content integration in CSRs.

Highlight the importance of agile adoption showcasing the need for rapid implementation and feedback incorporation.

Underline the role of GLITTER in bridging the gap between Programmers and Medical Writers, facilitating an efficient and collaborative workflow.

Encourage open-mindedness towards adopting new tools and processes, as demonstrated by the success of GLITTER within GSK.

Stress the value of user feedback and involvement in tool development to ensure effective utilisation and maximised efficiency.

Promote a culture of continuous improvement and adaptation in response to challenges, such as the evolution of GLITTER's R package.

Q&A

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