

WORKSHEET 2

VERSION CONTROL SYSTEMS

TEAM 2

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1 Git Repository Details

GitHub was used to manage the online repository, and through which the task was handled.

1.1 Git Repository Resource Links

GitHub Page URL

<https://github.com/danielsna/team-2/archive/master.zip>

Clone with HTTPS

<https://github.com/danielsna/team-2.git>

Download ZIP Archive

<https://github.com/danielsna/team-2/archive/master.zip>

2 Version Control Terminology

2.1 Repository Content

File/Directory/Tag	Description
Ingredients.txt	Where all ingredients were compiled and stored
Recipe_Book.txt	Where all recipes and ingredients were compiled and stored.
TAG Recipe_Book_Draft_1	All ingredients and recipes were pushed.
TAG Recipe_Book_Draft_2	All ingredients and recipes were pushed in an orderly fashion.
Recipe_Book_Drafts\	Each recipe was stored within as a text draft, later compiled within Recipe_Book.txt
Screenshots\	Screenshots of all merge conflicts were stored here
LaTeX Directory\	L ^A T _E X Source Code & Respective Compiled PDF Document are stored.

3 Merge Conflicts during Development

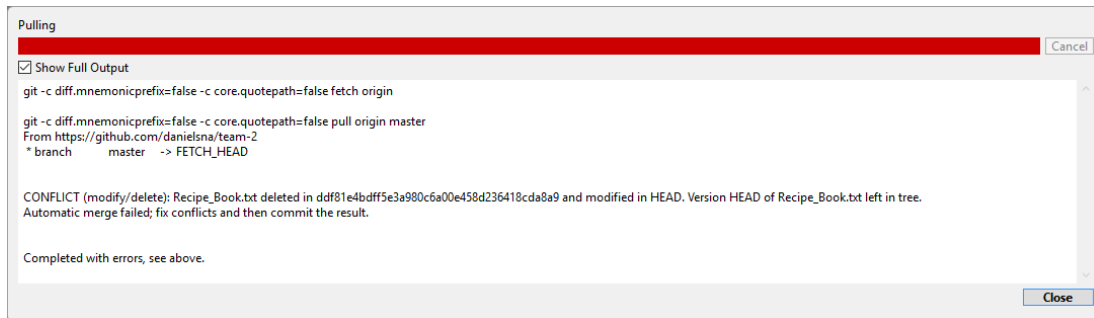


Figure 1: Merge Conflict when pushing to existing `Recipe_Book.txt`

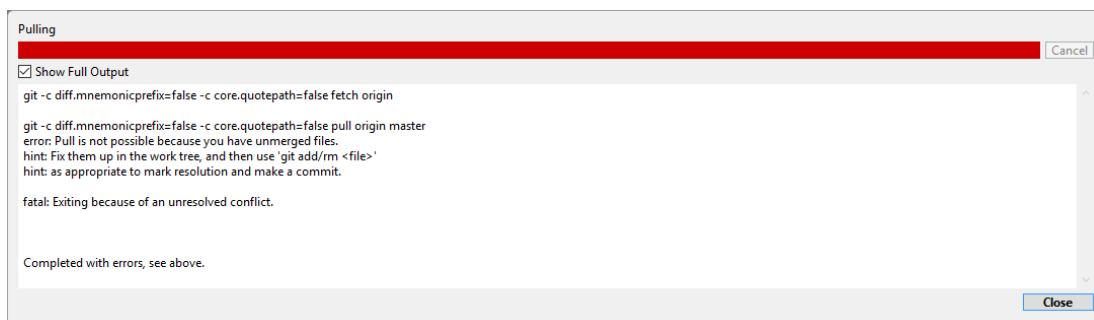


Figure 2: Merge Conflict when pulling from repository

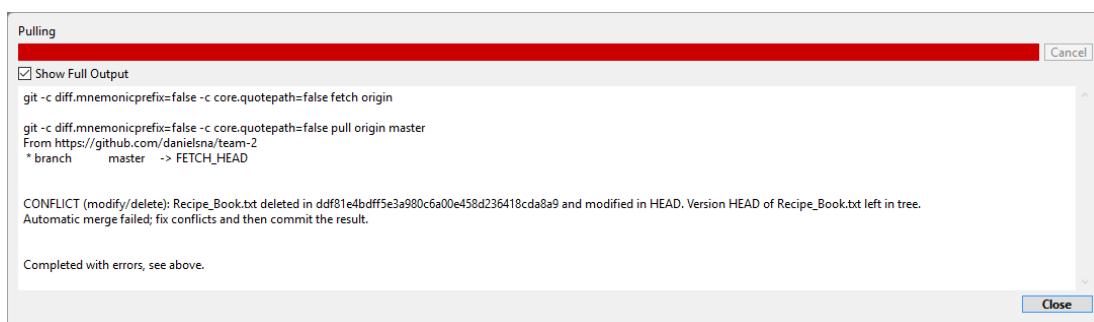


Figure 3: Merge Conflict as `Recipe_Book.txt` could not merge automatically

4 L^AT_EX Source Code

```
\documentclass[a4paper,twoside,12pt]{article}
\usepackage{graphicx}

\newcommand{\noun}[1]{\textsc{#1}}

\usepackage{verbatim}
\newenvironment{metaverbatim}{\verbatim}{\endverbatim}

\begin{document}
% \fontfamily{phv} % Did not work as intended
\begin{titlepage}
\title{\noun{Worksheet 2}\ Version Control Systems}

\author{\textsc{Team 2}\ Abela Tharen, Camilleri Daniel,
Farrugia Gabriel, Schembri Matthew\ University of Malta}

\date{}

\maketitle
\tableofcontents
\end{titlepage}

\pagebreak

\section{Git Repository Details}
\paragraph{GitHub was used to manage the online repository, and through
which the task was handled.}
\subsection{Git Repository Resource Links}
\paragraph{GitHub Page URL\}
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\paragraph{Clone with HTTPS\}
\texttt{https://github.com/danielsna/team-2.git}}
\paragraph{Download ZIP Archive\}
\texttt{https://github.com/danielsna/team-2/archive/master.zip}}

\pagebreak[2]
\section{Version Control Terminology}
\subsection{Repository Content}
```

```

\begin{center}
\renewcommand{\arraystretch}{1.25}
\begin{tabular}{| l | p{7.5cm} |}
\hline
File/Directory/Tag & Description \\ \hline
\texttt{Ingredients.txt} & Where all ingredients were compiled and stored
\\ \hline
\texttt{Recipe\_Book.txt} & Where all recipes and ingredients were compiled
and stored. \\ \hline
TAG \texttt{Recipe\_Book\_Draft\_1} & All ingredients and recipes were
pushed. \\ \hline
TAG \texttt{Recipe\_Book\_Draft\_2} & All ingredients and recipes were
pushed in an orderly fashion. \\ \hline
\texttt{Recipe\_Book\_Drafts}\textbackslash & Each recipe was stored
within as a text draft, later compiled within \texttt{Recipe\_Book.txt} \\
\hline
\texttt{Screenshots}\textbackslash & Screenshots of all merge conflicts
were stored here \\ \hline
\texttt{LaTeX Directory}\textbackslash & \LaTeX\ Source Code \& Respective
Compiled PDF Document are stored. \\ \hline
\end{tabular}
\end{center}

```

```

\begin{comment}
\subsection{Making use of GitHub Front-End Functionality}
\paragraph{GitHub offers extra features, which were explored to further aid
development of the assignment}
\subsubsection{Using Markdown for \texttt{README}}
\paragraph{The Markdown Integration built in GitHub, allowed for features,
most significantly Tables \& Task Lists, that helped in defining the
objectives required to complete the assignment}
\subsubsection{Using Issues to Resolve Obstacles}
\paragraph{Issues were used to put forward problems that came about, while
using Git. Issues opened included the requirement for team members and
difficulties in creating a merge conflict.}
\end{comment}

```

```

\pagebreak[4]
\section{Merge Conflicts during Development}
\begin{figure}[ht!]
\centering

```

```

\includegraphics[width=145mm]{Merge_Conflict_001.png}
\caption{Merge Conflict when pushing to existing \texttt{Recipe\_Book.txt}}
\end{figure}
\begin{figure}[ht!]
\centering
\includegraphics[width=145mm]{Merge_Conflict_002.png}
\caption{Merge Conflict when pulling from repository}
\end{figure}
\begin{figure}[ht!]
\centering
\includegraphics[width=145mm]{Merge_Conflict_003.png}
\caption{Merge Conflict as \texttt{Recipe\_Book.txt} could not merge
automatically}
\end{figure}

\pagebreak[4]
\section{\LaTeX\ Source Code}

\begin{verbatim}
    \LaTeX Source Code
\end{verbatim}

\end{document}

```