

# 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

### 3 Merge Conflicts during Development

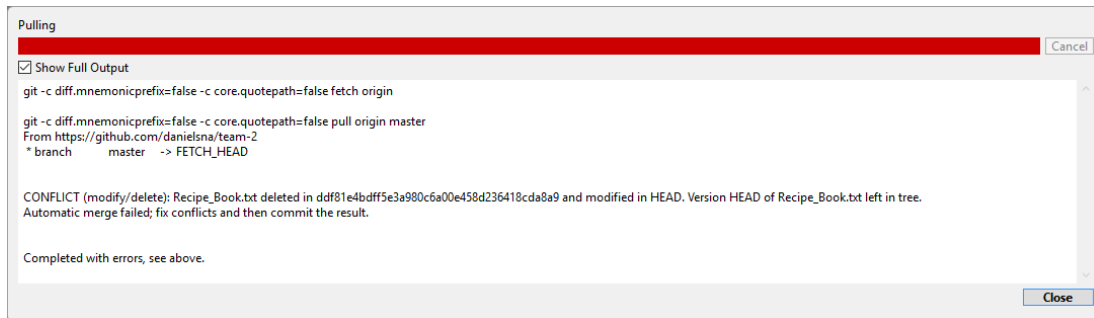


Figure 1: Merge Conflict when pushing to existing `Recipe_Book.txt`

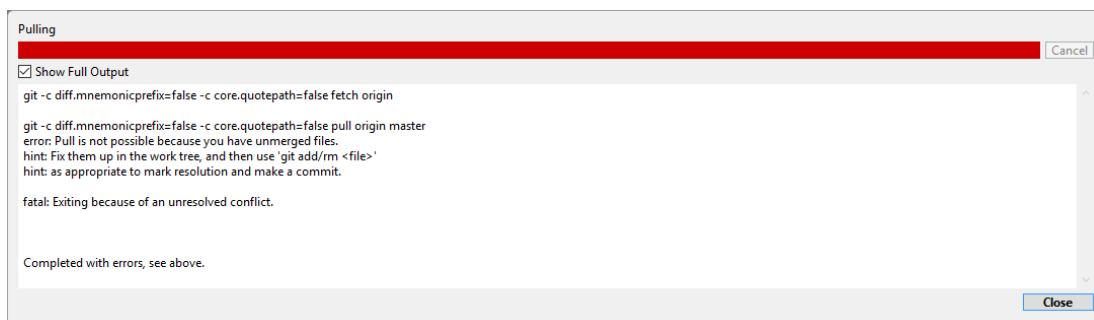


Figure 2: Merge Conflict when pulling from repository

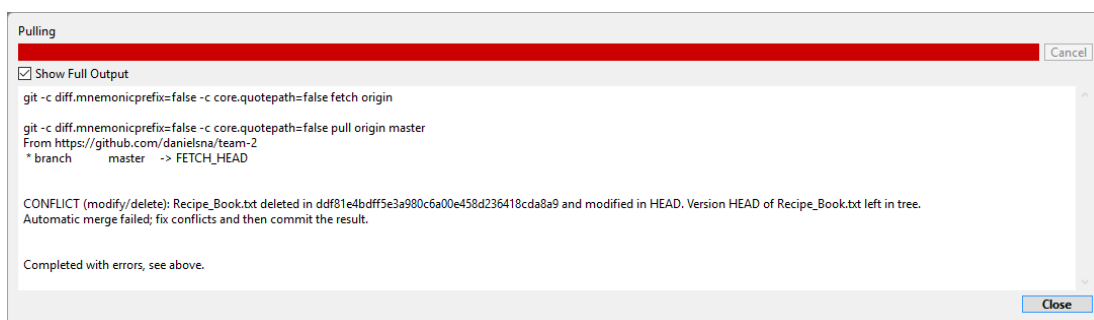


Figure 3: Merge Conflict as `Recipe_Book.txt` could not merge automatically

## 4 L<sup>A</sup>T<sub>E</sub>X 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}
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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
\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}

```