

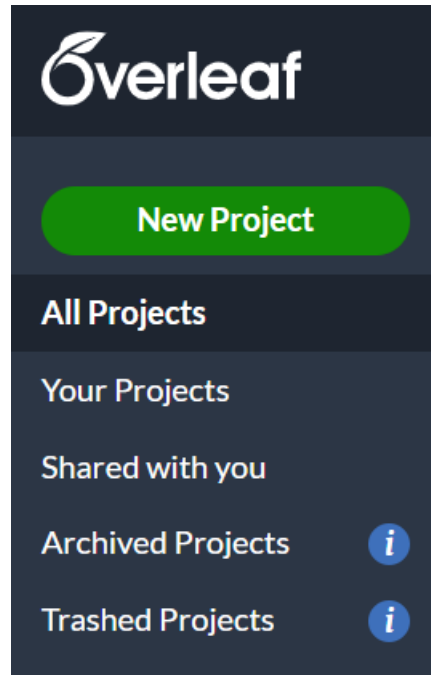
# Overleaf Guide

CSE 20 Winter 2021

# Overview

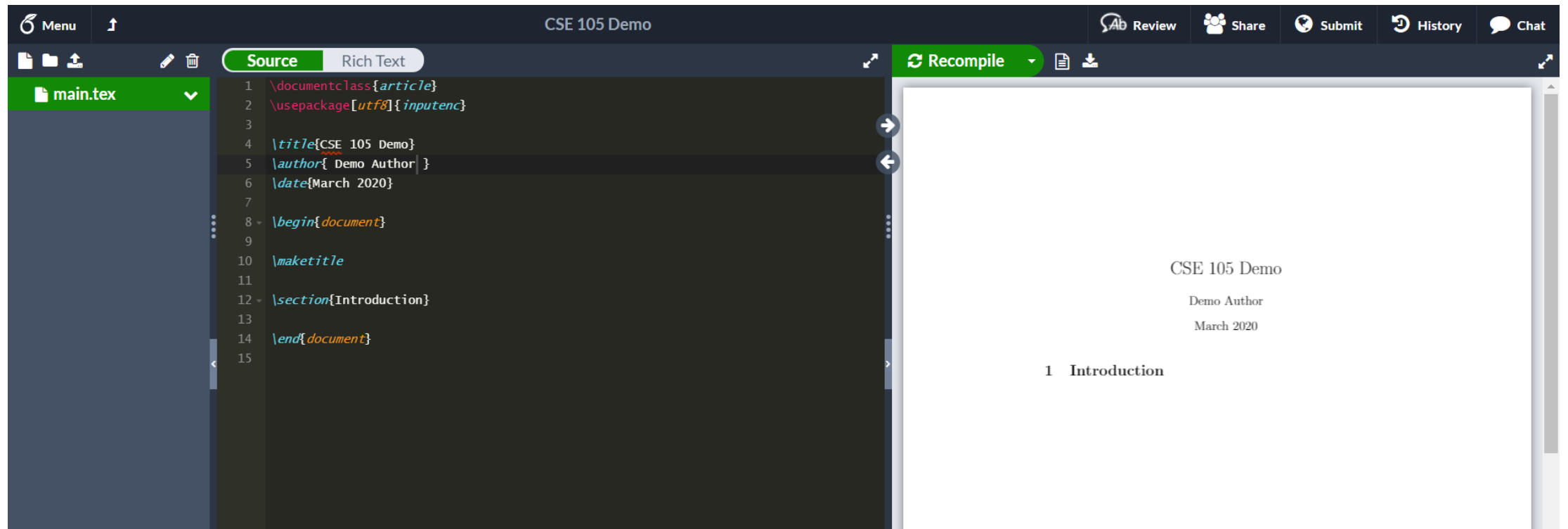
- Online, collaborative environment for creating LaTeX Documents
- <https://www.overleaf.com/> (Homepage)
  - You can go here to register for a free account
- <https://www.overleaf.com/learn> (Documentation)

# Creating New Documents



- Click on “New Project” from the homepage
  - Selecting “Blank Project” will open a blank editor
  - Selecting “Example Project” will allow you to select a template
  - Selecting “Upload Project” will prompt you to select a .zip file and will create a project based on the configuration files
    - We will provide you with the files we use to create the homeworks, so this will likely be the best option

# Overview of UI



The image shows a LaTeX editor interface with a dark theme. The top bar contains a 'Menu' icon, an upward arrow, the title 'CSE 105 Demo', and several utility icons: 'Review', 'Share', 'Submit', 'History', and 'Chat'. Below the top bar, there are icons for file operations (new, open, save) and a 'Source' tab. A file explorer on the left shows 'main.tex' selected. The main editor area displays LaTeX source code with line numbers 1 through 15. The code defines a document class, uses the utf8 package, sets the title to 'CSE 105 Demo', the author to 'Demo Author', and the date to 'March 2020'. It begins a document, makes the title, and starts a section titled 'Introduction'. A 'Recompile' button is visible to the right of the editor. On the far right, a preview window shows the rendered output: the title, author, and date centered at the top, followed by the section heading '1 Introduction'.

```
1 \documentclass{article}
2 \usepackage[utf8]{inputenc}
3
4 \title{CSE 105 Demo}
5 \author{ Demo Author }
6 \date{March 2020}
7
8 \begin{document}
9
10 \maketitle
11
12 \section{Introduction}
13
14 \end{document}
15
```

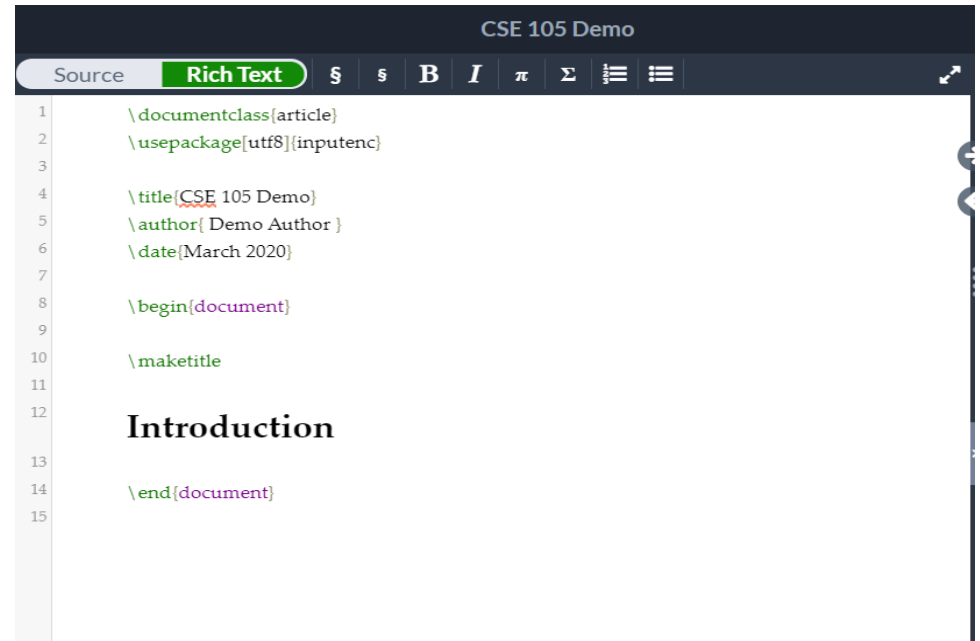
CSE 105 Demo  
Demo Author  
March 2020

1 Introduction

# Editing Files



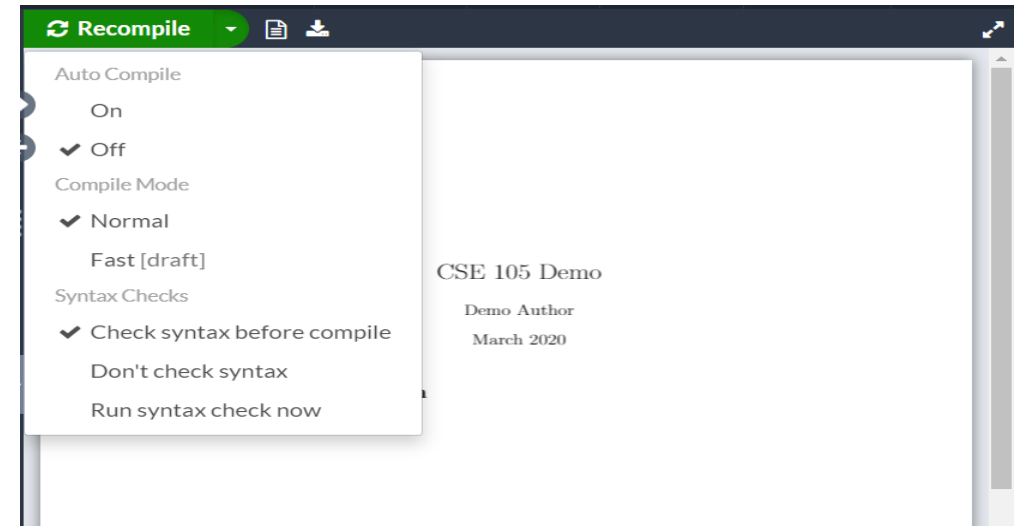
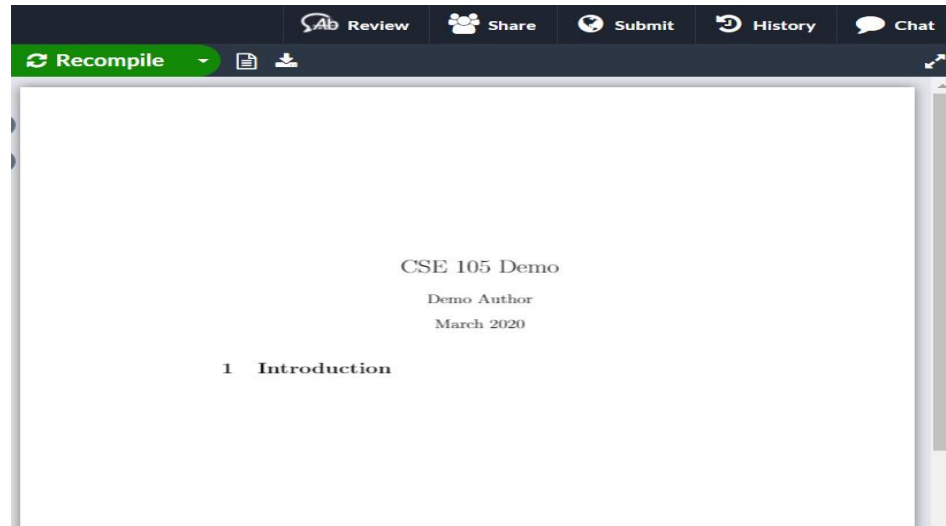
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1 \documentclass{article}
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8 \begin{document}
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```
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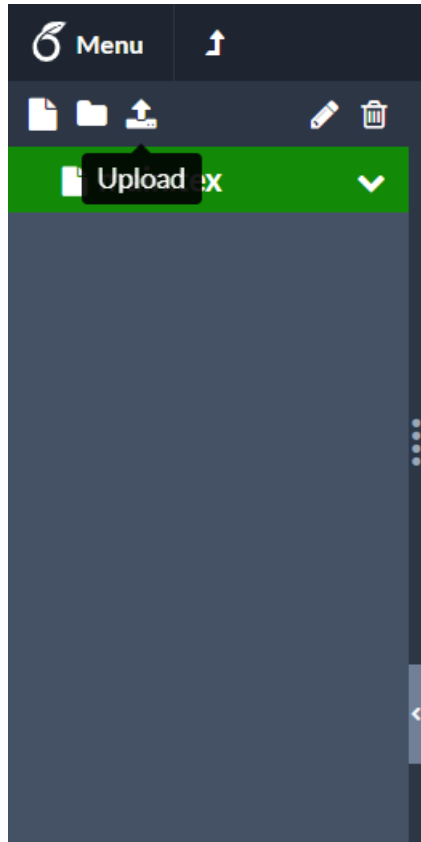
- The shaded area on the left is where you will enter your text
- If you keep the “Source” tab highlighted, you can edit the document as raw LaTeX
  - Google is your best friend for LaTeX issues, and the Overleaf documentation is really good as well
- If you keep the “Rich Text” tab highlight, it will provide a GUI with some helper buttons (e.g. for making text italic/bold, creating lists, etc.)

# Viewing Files



- The area on the right is where you will view the compiled text
- Recommended options
  - Auto Compile: off
  - Compile Mode: normal
  - Syntax checks: check syntax before compile
- After you make changes to the document, you can see them by:
  - Clicking the green “Recompile” button
  - Typing Ctrl + S (PC) or ⌘ + S (Mac)

# Adding Images



- Click on the “Upload” button in the left menu
- Upload the pictures from your computer
- In your LaTeX, the following should include the image in your document

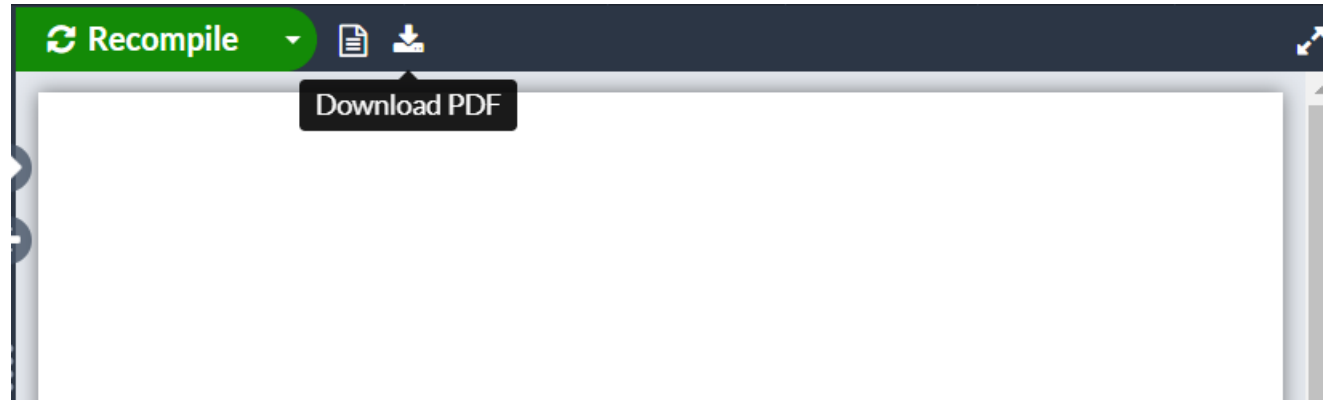
```
\begin{figure}[!h]
\centering
\includegraphics[scale=1]{Image_Name.jpg}
\end{figure}
```

# Collaborating

- Overleaf works similar to Google Docs in that all members can edit the file in parallel and changes are updated in real time
- There is a way to directly invite people to your document, but the free version of Overleaf only allows two people to work at the same time
- To get around this, turn on link sharing
  - Click on “Share” in the top right
  - Click “Turn on link sharing”
  - Copy the displayed link and share it with your group members



# Exporting Document



- To export your work, click on the “Download PDF” button on the right-hand side
- If you want to export the raw source files, click on the “Menu” button in the top-left, then click on “Source”