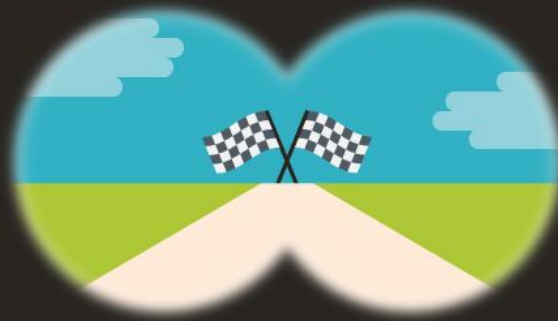


FINAL PROJECT



Final Project



- For your final grade, you need to perform a survey about your interested subject and submit a report, e.g. **survey paper**.
- **Advantages:**
 - You will understand you interested topic in depth.
 - You read the recent published papers in your field.
 - You practice how to write a paper, if you have no experience.
 - You will learn how to write a survey paper.
 - You can grab many new ideas for your core research.
 - You will learn how to work with LaTeX, if you have no experience.
 - You can receive my comments throughout the preparation process.
 - You can successfully pass the course.

Survey Paper



- It is research paper whose data and results are taken from other papers.
- However, your contributions should be salient.
 - Classification
 - Comparison
 - Insights
 - conclusions

Proposal



- Before selecting the topic, try to do a comprehensive search in a search engine, e.g. Google Scholar

Allintitle:survey <your topic>

- Then, you need to submit a proposal, including:
 - Topic
 - Objective
 - Importance of your research
 - Time-line
 - Attach at least one related survey

Writing Tool



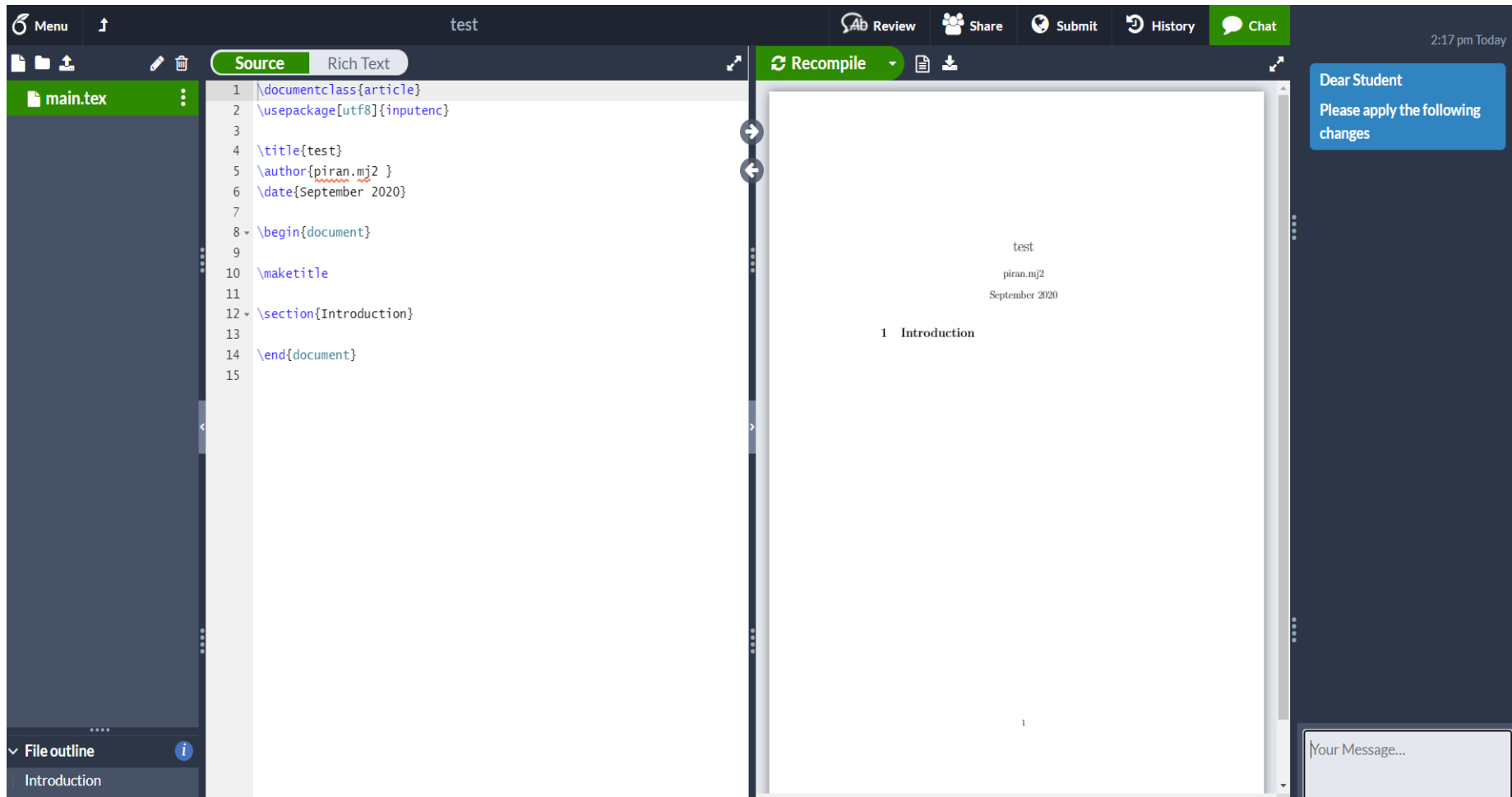
- You are free to select any writing tool, e.g. MS Word, LaTeX.
- But it is strongly recommended to use LaTeX and Overleaf



Writing Tool



- Check my comments regularly!

The screenshot shows a web-based LaTeX editor. On the left, a file explorer shows 'main.tex'. The main editor area is split into two panes. The left pane, labeled 'Source', shows LaTeX code for a document class, package, title, author, date, and section. The right pane, labeled 'Recompile', shows the rendered output of the code. The rendered output includes the title 'test', author 'piran.mj2', date 'September 2020', and a section titled '1. Introduction'. The interface includes a top menu bar with options like 'Menu', 'Review', 'Share', 'Submit', 'History', and 'Chat'. A blue notification box on the right says 'Dear Student Please apply the following changes'. At the bottom right, there is a text input field labeled 'Your Message...'.

Menu ↑ test Review Share Submit History Chat 2:17 pm Today

Source Rich Text

main.tex

```
1 \documentclass{article}
2 \usepackage[utf8]{inputenc}
3
4 \title{test}
5 \author{piran.mj2 }
6 \date{September 2020}
7
8 \begin{document}
9
10 \maketitle
11
12 \section{Introduction}
13
14 \end{document}
15
```

Recompile

test
piran.mj2
September 2020

1. Introduction

1

Dear Student
Please apply the following changes

File outline
Introduction

Your Message...

Format



- You can upload any format!

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Sections



- Abstract
- Introduction
- Related work
- Preliminaries
- <Main Body>
 - Classification
 - Comparison
 - Summary and Insights
- Open research questions
- Conclusion

Recommendations



- Begin by collecting a large pile of papers
- Search the keywords
- Based on your experience and a few initial reading, hypothesize an organization schema for the field. (unsupervised learning)
- Start reading (mostly skimming) and organizing your collection of papers you read using this schema, including noting which ones are most important and which do not fit the schema well.
- As you find significant numbers of papers that do not fit the schema well, adjust the schema to better fit what you are actually finding and shift the organization of your collection to match.
- Add new papers to the "to be read" collection based on the adjusted schema, then return to reading and organizing. You can be more helped from
- In every step, the only thing that can help you is reading published paper.
- Always try to read the papers that have been published in high quality journals.
- Always try to read the recent published papers, e.g. past 5 years.

