

CS 213: System Software Lab

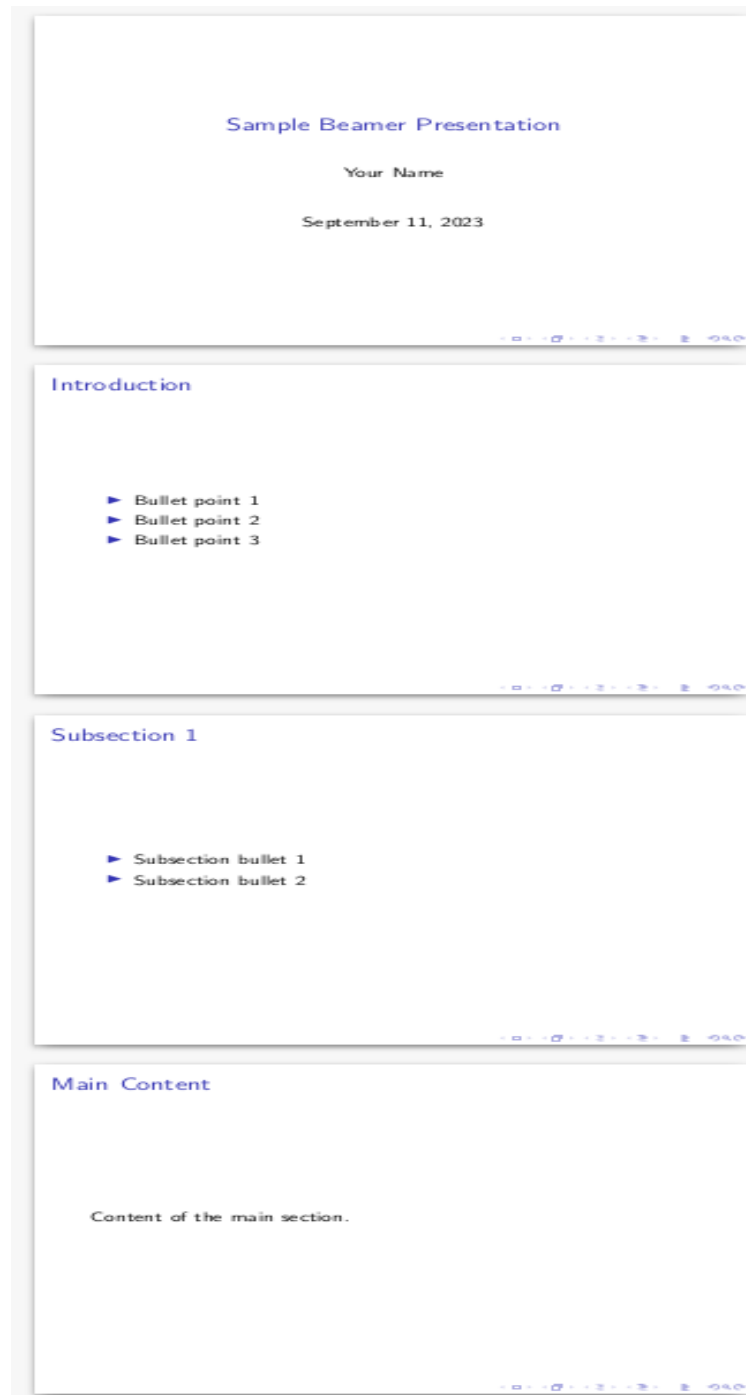
Autumn 2023, IIT Dharwad

Lab-5 Exercise

Beamer

Exercise 1: Basic Slide Structure Create a Beamer presentation with the following features:

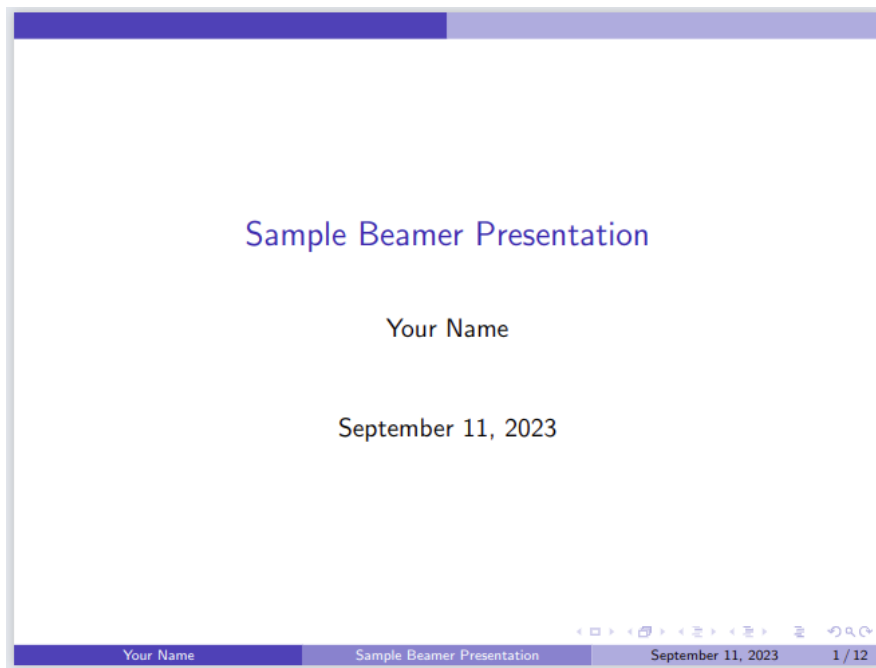
- Title slide with a title, author, and date.
- Section and subsection titles.
- Content slides with bullet points and itemized lists.



Exercise 2: Extend your presentation (Exercise 1) by Customizing Themes

Explore different Beamer themes:

- Change the presentation theme to a different predefined theme.
- Modify the color theme to customize the color scheme.



Exercise 3: Extend your presentation (Exercise 2) by adding Graphics and Table

- Include an image on one of the slides.
- Create a slide with a table.



Graphics

Tables

Column 1	Column 2
Item 1	Value 1
Item 2	Value 2

Table: A sample table.

Navigation icons: back, forward, search, etc.

Your Name Sample Beamer Presentation September 11, 2023 6 / 12

Exercise 4: Extend your presentation(Exercise 3) by Mathematical Equations

Include mathematical equations and formulas:

- Insert equations using `\begin{equation}` and `\end{equation}`.
- Use mathematical symbols and notations.

Graphics

Mathematical Equations

$$E = mc^2 \quad (1)$$

$$\sum_{i=1}^n i = \frac{n(n+1)}{2} \quad (2)$$

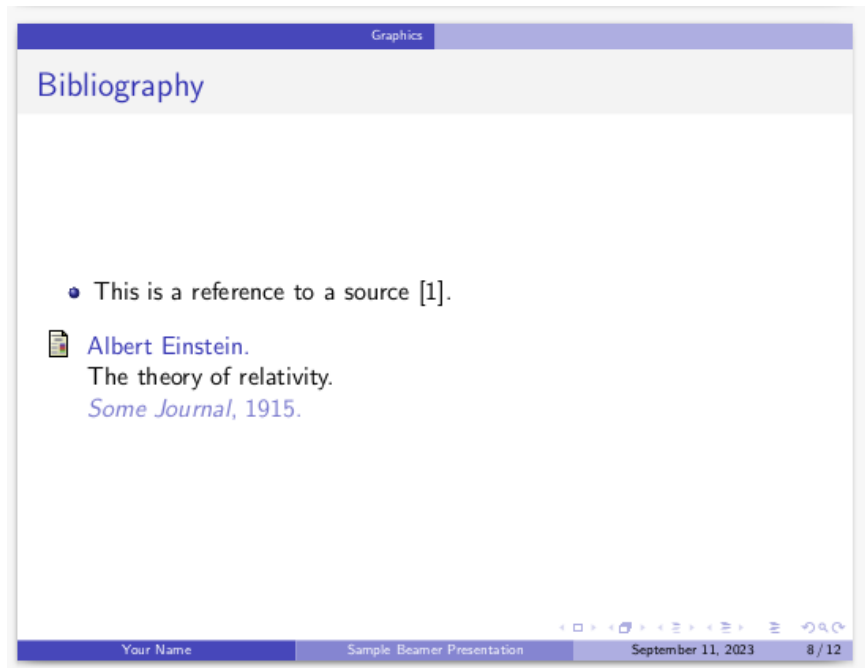
Navigation icons: back, forward, search, etc.

Your Name Sample Beamer Presentation September 11, 2023 7 / 12

Exercise 5: Extend your presentation (Exercise 4) by Bibliography

Add a bibliography to your presentation:

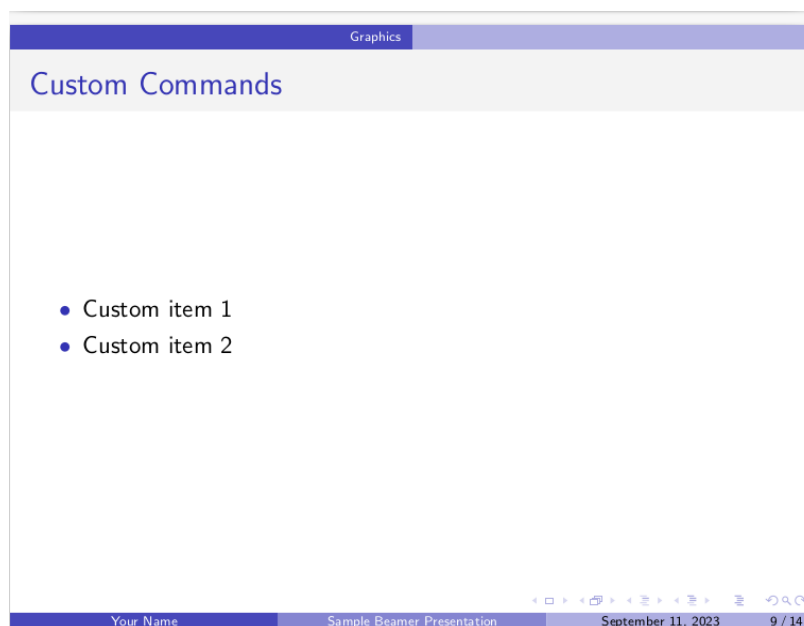
- Include a slide with references using `\bibliography` and `\cite`.



Exercise 6: Extend your presentation(Exercise 5) by Custom Commands

Define and use custom commands:

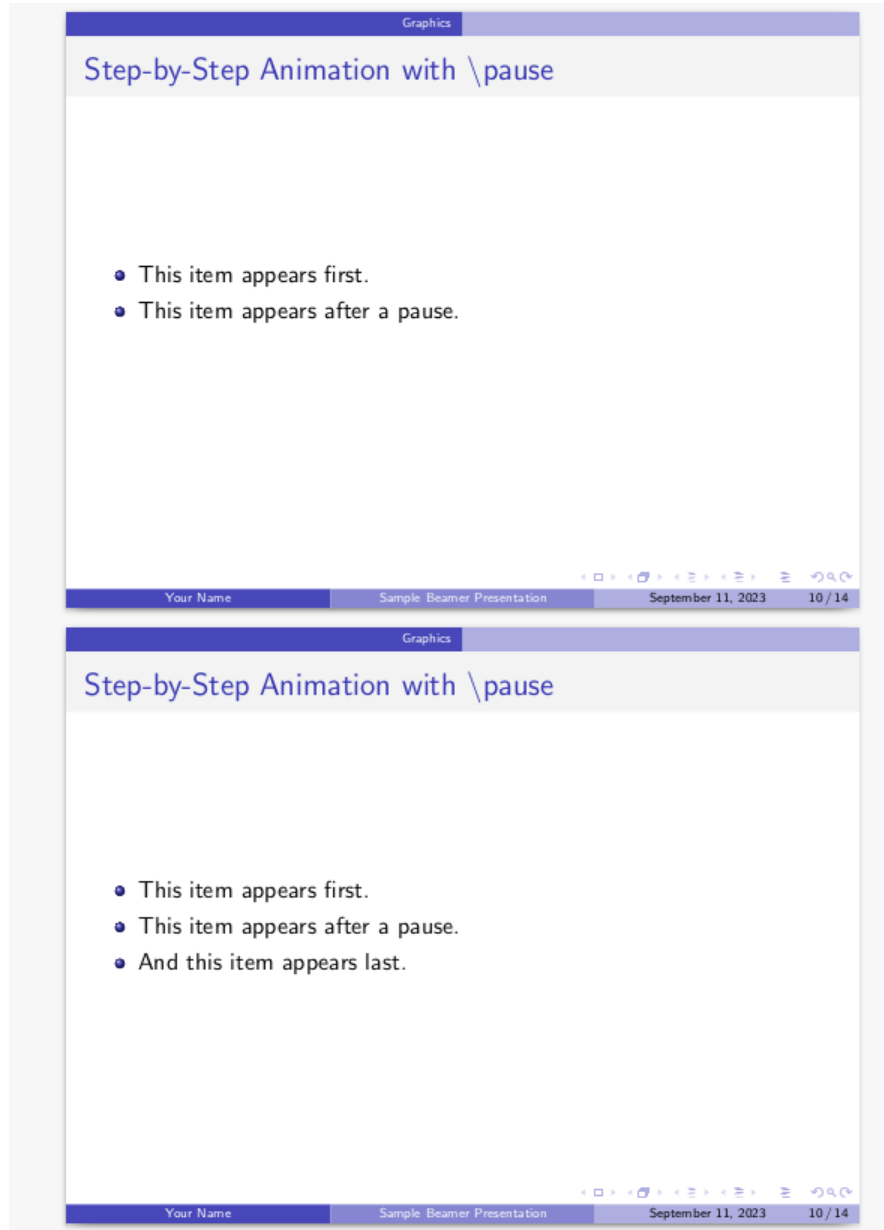
- Create a custom command to simplify slide content formatting (e.g., `\myitem` for consistent bullet points).



Exercise 7: Extend your presentation(Exercise 6) by Animations

Add animations to your presentation:

- Use \pause to reveal content step-by-step on a single slide.
- Use \only and \onslide to control content visibility on different slides.



Exercise 8: Extend your presentation(Exercise 7) by slide Transitions

Add slide transitions:

- Use \transduration to set the duration of transitions.

Graphics

Slide Transitions

Your Name

Sample Name Presentation

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Graphics

Slide Transitions

- Slide 2-3 content.

Your Name

Sample Name Presentation

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Graphics

Slide Transitions

- Slide 2-3 content.

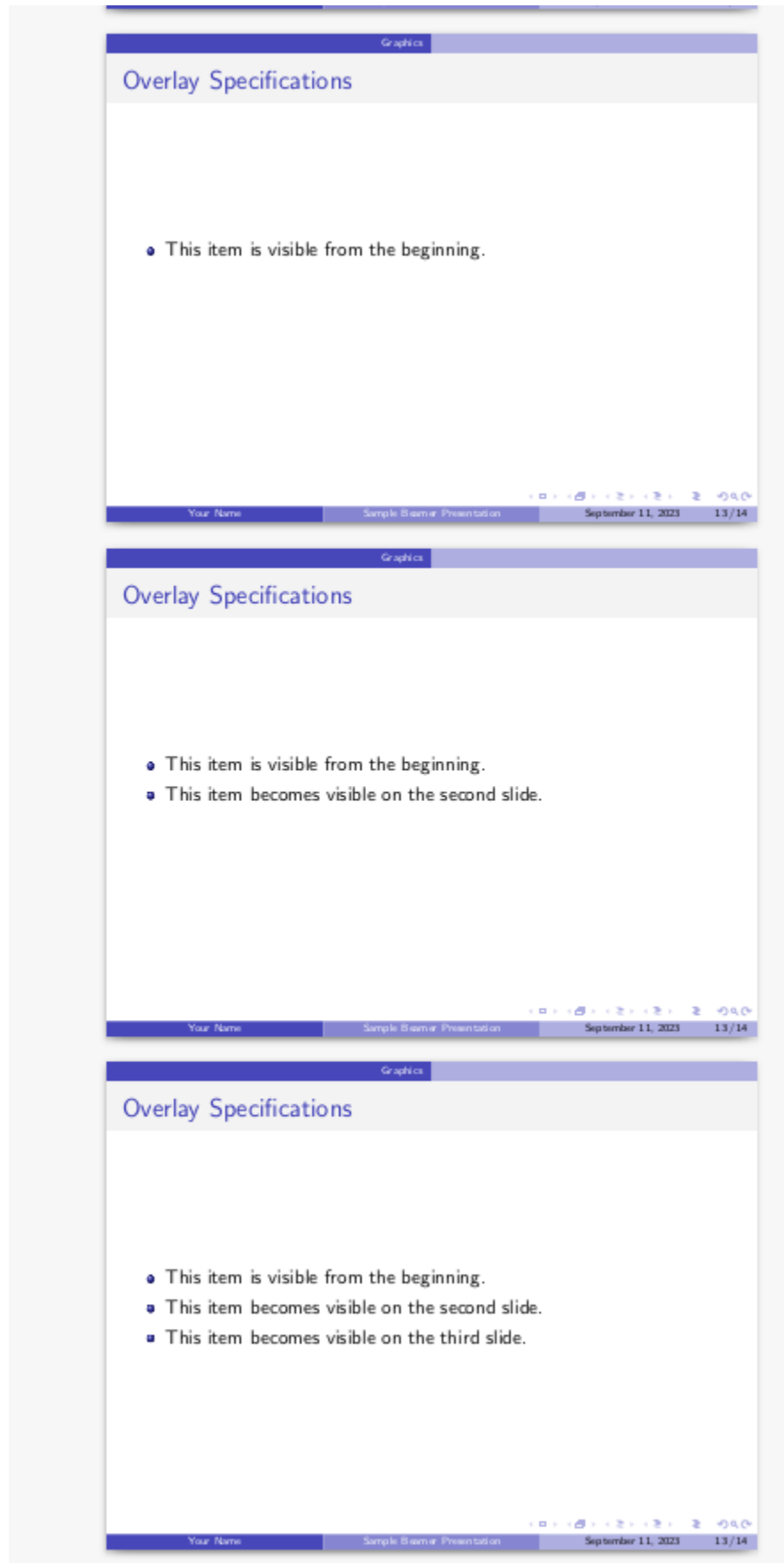
Your Name

Sample Name Presentation

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Exercise 2: Extend your presentation (Exercise 8) by Overlay Specifications
Explore overlay specifications for dynamic content:



Exercise 10: Extend your presentation(Exercise 9) by adding references.

