Technical Requirements – Winter Greeting Editor

Challenge is accessible on Memberspot: https://pl-coding.mymemberspot.io/library/ jx3b7Qik9ip5qpNI8IF2/CAxRTS5yWwDcZ19gwHz0/KH0ps8mIF0wXxZSbC24o/details

🙋 Scenario

The user creates a festive greeting card by typing a message, formatting the text, and previewing all changes in real time.

🎨 Figma Mockups

https://www.figma.com/design/lLcf8BTbExJf1drvKksZ2O/Winter-Magic-Series?node-id=44-187

🔤 Fonts - Montserrat, PT Serif

🎯 Feature Goal
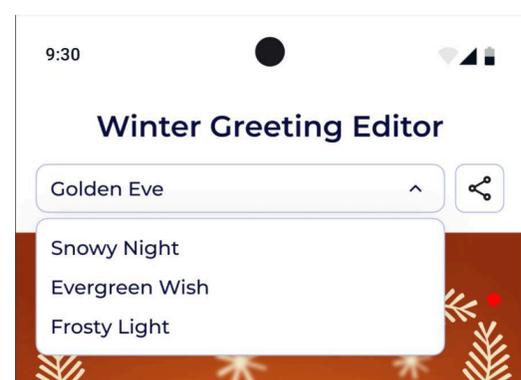
Implement a festive **text editor** that allows formatting directly inside the input area using BasicTextField, AnnotatedString, and SpanStyle.

The goal is to practice working with **inline text styling, text selection**, and **toolbar state management** in Jetpack Compose.

📌 Requirements

Top Bar

- Placed at the top of the screen.
- Contains:
  - **a. Title:** *"Winter Greeting Editor"*
  - **b. Theme dropdown:**
    - Options: Golden Eve, Snowy Night, Evergreen Wish, Frosty Light.
    - Each theme updates the greeting card's background and decoration.
    - All themes can be found in the Figma mockups.
  - **a. Share button:** currently non-functional. The main focus of this challenge is **text editing** — the full greeting export or share feature is **optional** if you wish to practice further.

Editing Area

- The main text input area styled as a greeting card.
- Text is entered inside a safe area, never overlapping decorative elements.
- A default placeholder text is shown: "Type your greeting here…"
- It disappears once the user taps the field, showing a cursor for text entry.
- The text is **center-aligned** and updated live when formatting changes are applied.

Formatting Toolbar

- Always visible at the bottom of the screen.
- Buttons include:

  a. B — bold.

  b. I — italic.

  c. U — underline.

  d. ■ — text color picker (opens color palette). Available color options:
  - #FFFFFF — Pure White
  - #FFF2E9 — Soft Cream
  - #F7E6C7 — Warm Beige
  - #943112 — Deep Red
  - #0D1040 — Midnight Blue

  e. Ser / Montserrat — font family toggle:
  - Montserrat (default);
  - PT Serif.

  f. A↑↓ — font size selector:
  - 12.dp — Small
  - 18.dp — Medium
  - 34.dp — Large

  g. ↻ Reset — clear formatting.

Toolbar Behavior

- If text is selected → formatting applies only to the selected part.
- If no text is selected → active styles apply to the next typed text.
- Pressing a style button again toggles it off.
- The toolbar updates dynamically when the cursor moves.
- **Reset button behavior:**
  - If text is selected → clears formatting only for that selection.
  - If no text is selected → resets the default style used for new input.

Default Text Style

- Font: Montserrat
- Size: Medium
- Color:
  - Default: **White** (#FFFFFF)
  - For the Frosty Light theme: **Midnight Blue** (#0D1040) — to ensure readability on the light background.
- Style: Normal (no bold, italic, or underline)

🤔 What's Allowed?

- Standard Android / Jetpack libraries.
- Use Material 3 components or simple custom UI elements.
- No 3rd party libraries are allowed or would be required to complete this challenge

⚠️ What's not important

- Responsiveness across every device size or orientation is not mandatory.
- Implementing actual functionality for the Share button
- Real file saving or history of edits.
- Animated theme transitions.
- Light/Dark mode support.

🔗 Useful Links for This Challenge

- [Enable user interactions](#)
- [Text in Compose](#)
- [Style text](#)
- [Annotated String](#)
- [Configure text fields](#)
- [Stateful vs. Stateless Composables](#)
- [State Hoisting in Compose](#)
- [Managing State in Jetpack Compose (Codelab)](#)

🏆 Submission & Rewards

- Successfully submitting this challenge via the **/submit-challenge** command on Discord grants you **300 XP**.
- Your submission must include:
  a. A **Gist link** with your implementation.
  b. A **screen recording** (max 40 seconds) showing:
    - The initial screen with **Golden Eve** theme and the placeholder.

- Switch the theme from Golden Eve → **Snowy Night**.
- Type two text parts:
  - Title: *Let It Snow!*
  - Message: *May your holidays be filled with smiles.*
- Edit the **title**:
  - Change font size to **Large**.
  - Switch font to **PT Serif**.
  - Apply **bold, italic**, and **underline**.
  - Change the text color to **Warm Beige** (#F7E6C7).
- Press **Reset** — the title returns to default formatting.