

# Book Cover Designer

- [Example application](#)
- Task description:
  - Main window and controls:
    - Main window has a minimum size of 800x600, starts centered on the screen and has a starting size of 1400x900
    - Main window is split into two sections using split panel
    - In the left panel there is a picture box (drawing area) filling the whole panel
    - When the window is resized or splitter is moved, the bitmap of the picture box resizes to match available space
    - Right panel has a minimum width of 200 pixels
    - In the right panel there are 3 text boxes ('Title', 'Author' and 'Additional Text') with labels and a single button, all organized in the table with a single column
    - All labels have a font size of 10pt and are bolded
    - Text boxes for title and additional text accept multiline strings. Text box for the author allows for singleline strings only
    - Text box for additional text has a vertical scroll bar
    - All controls on the right side stretch horizontally to fill all available space
  - Book cover:
    - In the center of the picture box there are three dark gray rectangles indicating bounds of book cover
    - The three rectangles are always drawn centered, regardless of panel size
  - Adding texts:
    - Text written in the text box labeled 'Additional Text' can be added to the book's cover
    - The texts are drawn using 'Arial' font of size 16pt
    - Pressing the button changes the cursor to cross while over the picture box
    - Clicking anywhere in the picture box area removes the text from the text box and adds it to the drawing
    - New texts should be added centered around the point where the user clicked
    - When resizing the drawing area, all texts should stay in the same position relative to the cover's bounds
- Tips:
  - SplitContainer, PictureBox, TableLayoutPanel, Dock Property, Anchor Property
  - SplitContainer.SplitterMoved, Control.Resize
  - Bitmap, Graphics.FromImage, Graphics.DrawRectangles
  - Control.Cursor, Graphics.DrawString
  - Graphics.MeasureString
- *Note: In all doubtful and untold aspects application should behave like an example app.*
- Scoring:
  - Correctly defined window and properly scaling UI controls: 4 points
  - Drawing centered cover bounds: 3 points
  - Adding texts: 4 points
  - New texts are added centered relative to the cursor: 1 point
  - *Note: It is not possible to obtain points for incomplete functionality.*