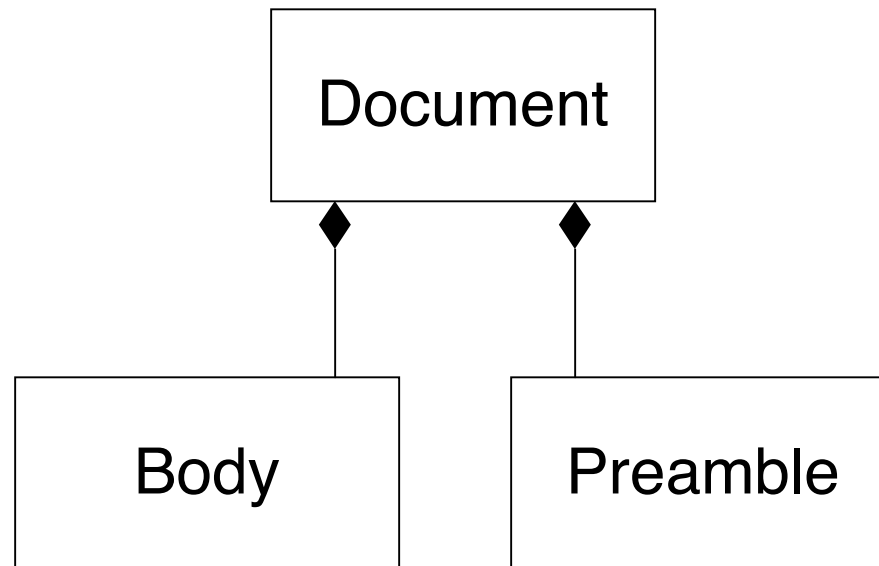




# LaTeX Documents

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The logo for ARENA, featuring the word "ARENA" in a bold, serif font with a metallic, 3D effect. The letters are set against a background of golden, concentric circular patterns that resemble ripples in sand or a field of grain. The overall aesthetic is clean and professional.

# ARENA Some Key Concepts

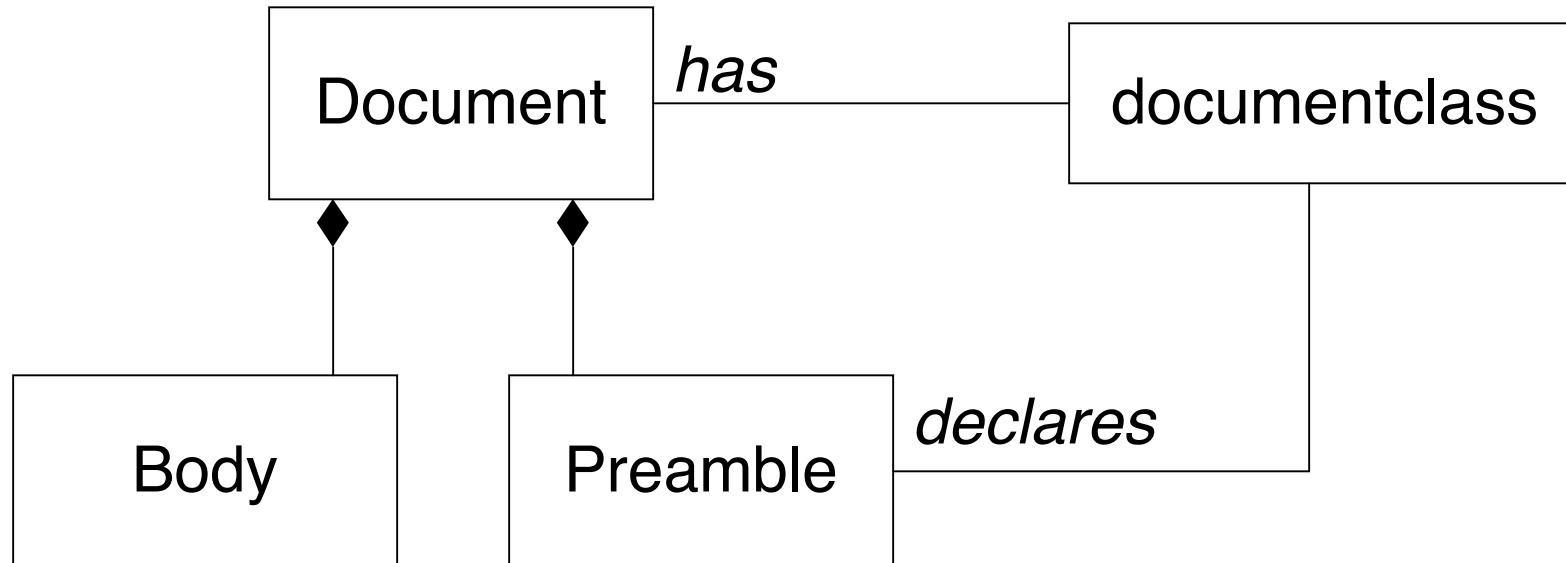
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- Document Class
- Packages
- Logical Structure
- Environments
- Funny Characters



# Document Classes

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# Document Classes

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- book
- report
- article
- letter
- slides



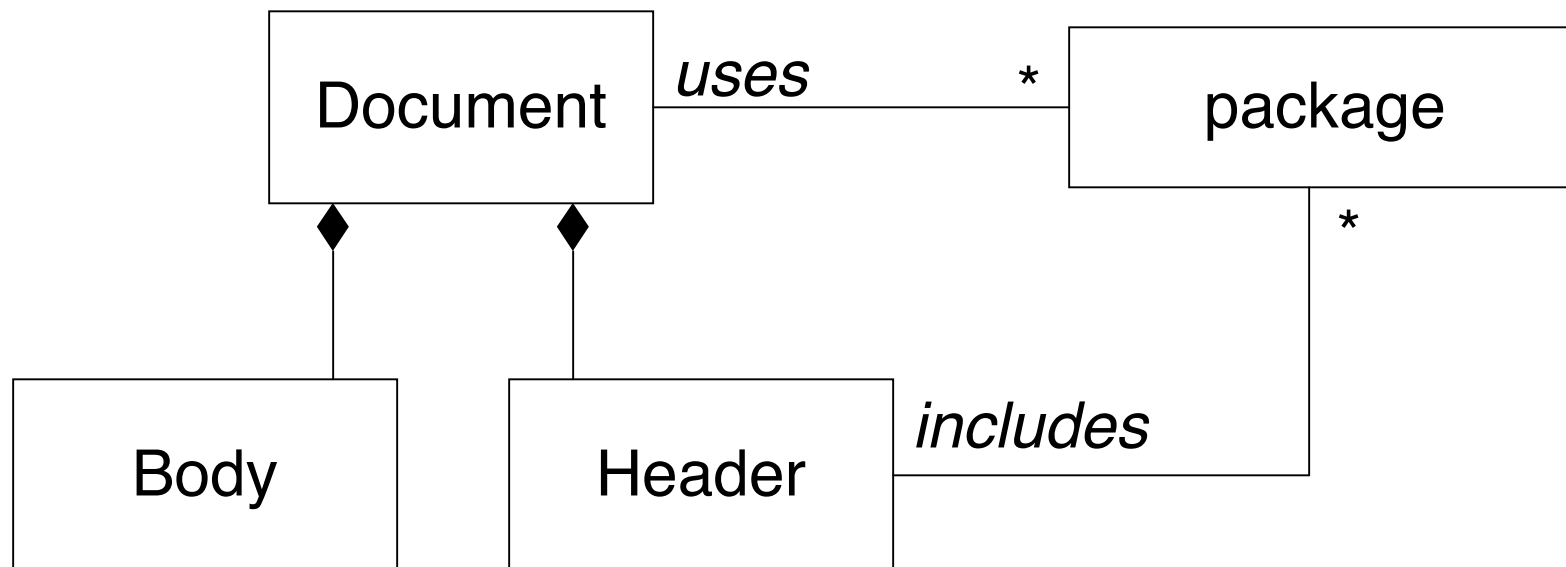
# Document Classes

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- Class options
- 10pt | 11pt | 12pt
- onecolumn | twocolumn
- oneside | twoside
- notitlepage | titlepage
- final | draft
- a4paper | letterpaper | a5paper | ...



# Packages





# Packages

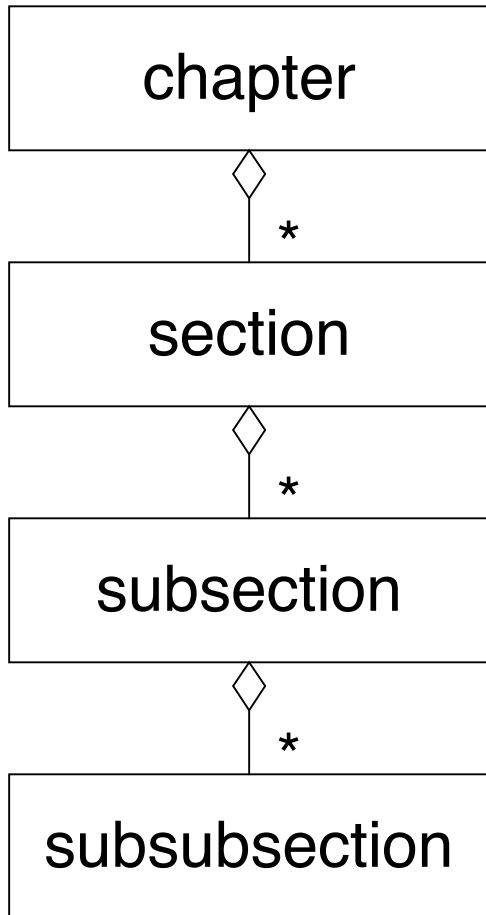
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- babel - support for languages  
`\usepackage[german]{babel}`
- colortbl - coloured tables
- amsmath - more math symbols
- qtree - drawing trees
- array - improved tables
- graphicx - including pictures
- ...

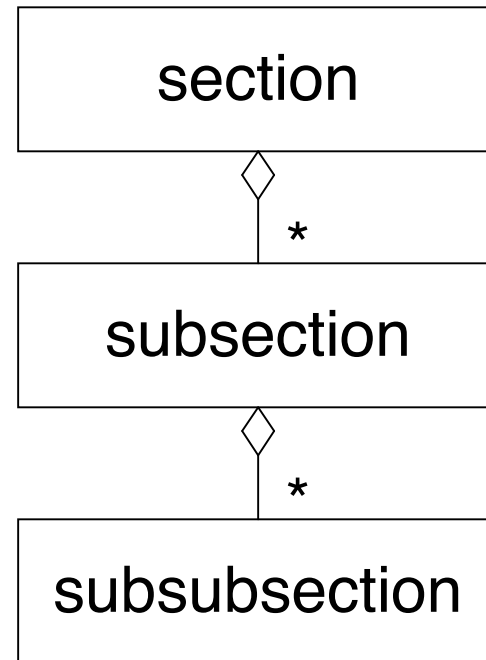


# Logical Structure

book, report



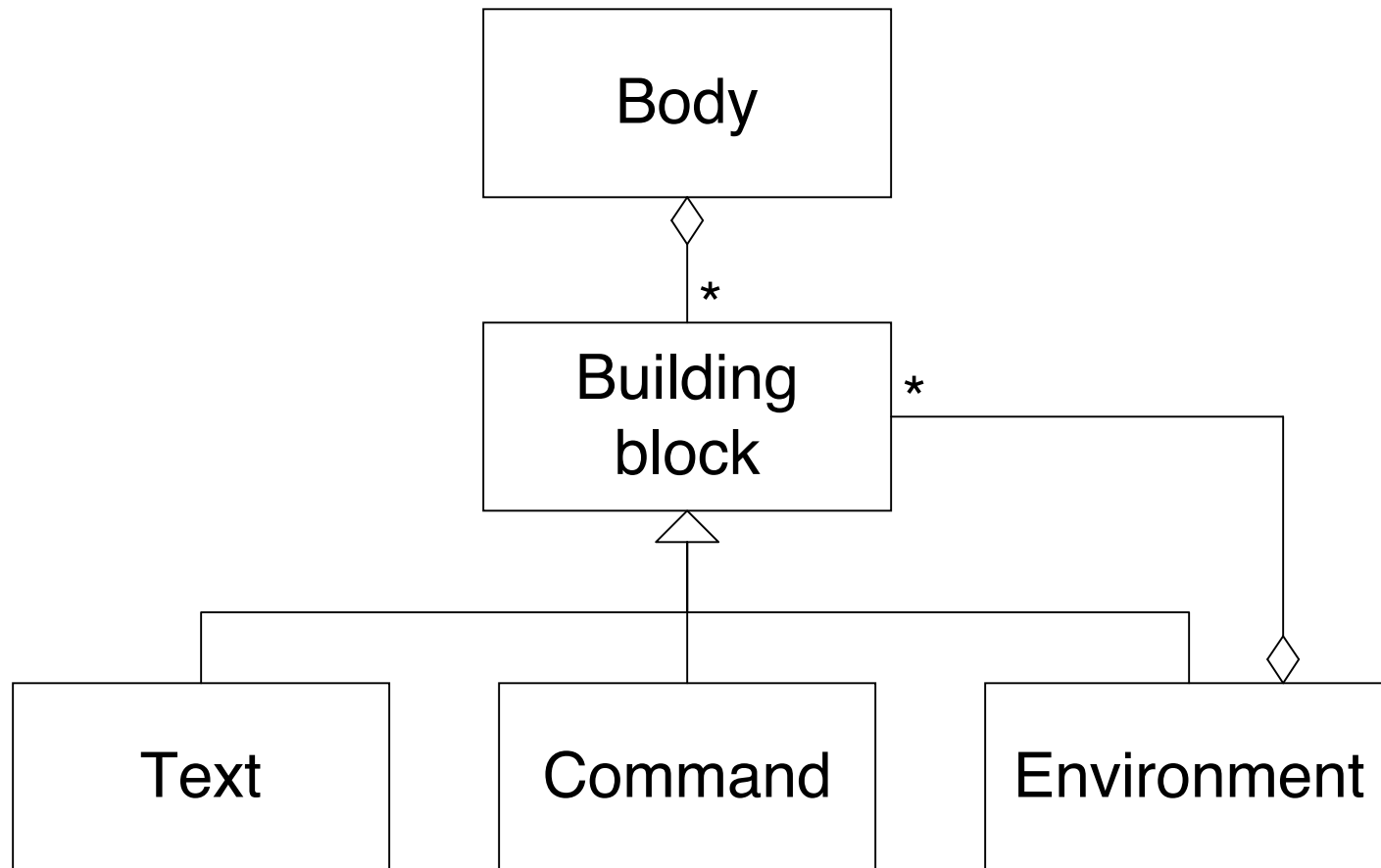
article







# Environments





# Environments

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- document - top level environment
- tabular - tables
- table - floating elements
- equation - what it says
- itemize - bullet list
- center - format text centered



# Funny Characters

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- Greek letters: `\pi`, `\Gamma`, `\alpha`
- Umlauts : `\"a`, `\"u`, `\"e`, `\"s`
- Math symbols: `\leftarrow`, `\subset`, `\simeq`
- Quotes: ```(left), `"`(right)