# **Test Book Document**



This is a test of the book document class

### Test Book Document

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### Chapter 1

### First Chapter

This is the first chapter of the book.

### 1.1 First Section

This is a section within the first chapter.

#### 1.1.1 A Subsection

This is a subsection.

**Definition 1.1.1.** This is a definition in book mode. It should be numbered by chapter.

**Theorem 1.1.2.** This is a theorem in book mode.

## Chapter 2

### Second Chapter

This is the second chapter.

 $\textbf{Definition 2.0.1.} \ \ \textbf{This should be Definition 2.1 since it's in the second chapter.}$