

CSE 214
Online on Creational Pattern
Time: 30 minutes

You are developing a document editor that supports 3 types of file formats: .docx, .pdf, and .txt. To handle each file type, you need different document processors. All document processors implement an interface called `DocumentProcessor`, which contains two methods - **LoadDocument** and **SaveDocument** (For now, these may just print a message).

Given a file name, your system has to recognize the file type and use the appropriate document processor to load and save a file. The output will be two messages showing that the file was loaded and saved.