## **FakeFileDataSource** - name: String Comment: - data: String The trick used in the test file is creating a class named FakeFileDataSource which implements the DataSource + FakeFileDataSource(String name): interface. This allows the test to check the decorator's functionality without having to use a real file. + writeData(String data): void + readData(): String **FileDataSource** - name: String + FileDataSource(String name): <<Interface>> + writeData(String data): void **DataSource** + readData(): String + writeData(String data): + readData(): String **DataSourceDecorator** - wrappee: DataSource # DataSourceDecorator(DataSource source): + writeData(String data): void + readData(): String Extends Extends EncryptionDecorator CompressionDecorator + EncryptionDecorator(DataSource source): + CompressionDecorator(DataSource source): + writeData(String data): void + getCompressionLevel(): int + readData(): String + setCompressionLevel(int value): void + encode(String data): String + writeData(String data): void + decode(String data): String + readData(): String + compress(String stringData): String + decompress(String stringData): String