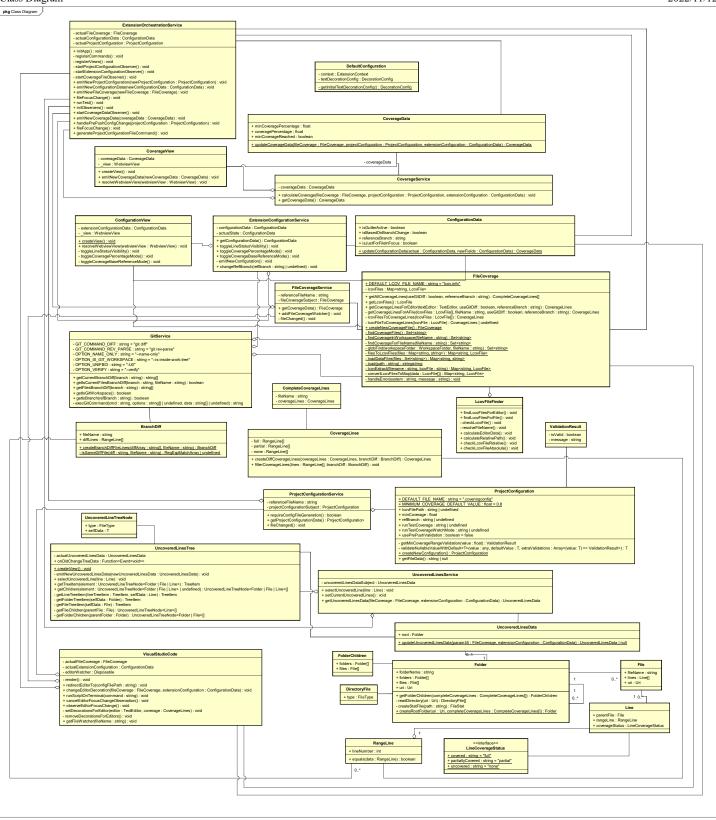
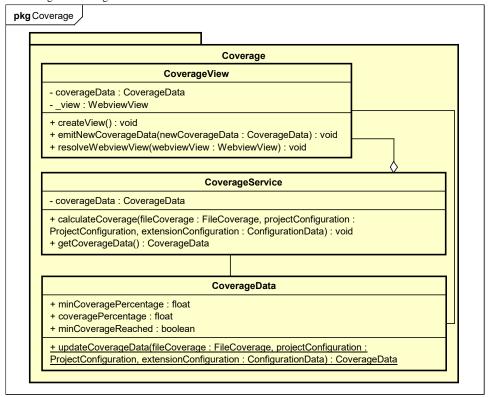
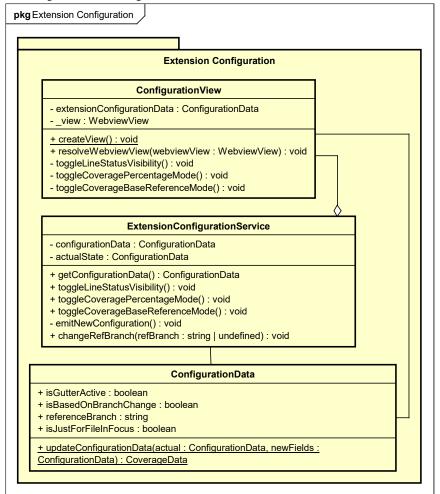
Class Diagram 2022/11/12



Class Diagram Coverage 2022/11/12





Class Diagram File Coverage 2022/11/12

pkg Class Diagram File Coverage File Coverage FileCoverageService - referenceFileName : string - fileCoverageSubject : FileCoverage + getCoverageData(): FileCoverage + addFileCoverageWatcher(): void - fileChanged(): void FileCoverage + DEFAULT LCOV FILE NAME : string = "lcov.info" - IcovFiles : Map<string, LcovFile> + getAllCoverageLines(useGitDiff: boolean, referenceBranch: string): CompleteCoverageLines[] + getLcovFiles(): LcovFile + getCoverageLinesForEditor(textEditor: TextEditor, useGitDiff: boolean, referenceBranch: string): CoverageLines - getCoverageLinesForAFile(IcovFiles : LcovFile[], fileName : string, useGitDiff : boolean, referenceBranch : string) : CoverageLines - lcovFilesToCoverageLines(lcovFiles : LcovFile[]) : CoverageLines - IcovFileToCoverageLines(IcovFile : LcovFile) : CoverageLines | undefined + createNewCoverageFile() : FileCoverage - findCoverageFiles() : Set<string> - findCoverageInWorkspace(fileName : string) : Set<string> - findCoverageForFileName(fileName : string) : Set<string> - globFind(workspaceFolder : WorkspaceFolder, fileName : string) : Set<string> - filesToLcovFiles(files : Map<string, string>) : Map<string, LcovFile> - loadDataFiles(files : Set<string>) : Map<string, string> - load(path : string) : stringstring - lcovExtract(filename : string, lcovFile : string) : Map<string, LcovFile>
- convertLcovFilesToMap(data : LcovFile[]) : Map<string, LcovFile> - handleError(system : string, message : string) : void CoverageLines - full : RangeLine[] - partial : RangeLine[] - none : RangeLine[] + createDiffCoverageLines(coverageLines : CoverageLines, branchDiff : BranchDiff) : CoverageLines + filterCoverageLines(lines : RangeLine[], branchDiff : BranchDiff) : void

pkg Class Diagram Project Configuration **Project Configuration** ProjectConfigurationService - referenceFileName : string projectConfigurationSubject : ProjectConfiguration + requireConfigFileGeneration(): boolean + getProjectConfigurationData() : ProjectConfiguration + fileChanged(): void ProjectConfiguration + DEFAULT FILE NAME : string = ".coveringconfig" + MINIMUM COVERAGE DEFAULT VALUE : float = 0.8 + lcovFilePath : string | undefined + minCoverage : float + refBranch : string | undefined + runTestCoverage : string | undefined + runTestCoverageWatchMode : string | undefined + usePrePushValidation : boolean = false $\hbox{-} get Min Coverage Range Validation (value: float): Validation Result \\$ - validateNullableValueWithDefault<T>(value : any, defaultValue : T, extraValidations : Array<(value: T) => ValidationResult>) : T + createNewConfiguration(): ProjectConfiguration + getFileData() : string | null

Class Diagram UI 2022/11/12

pkg Class Diagram Orchestration

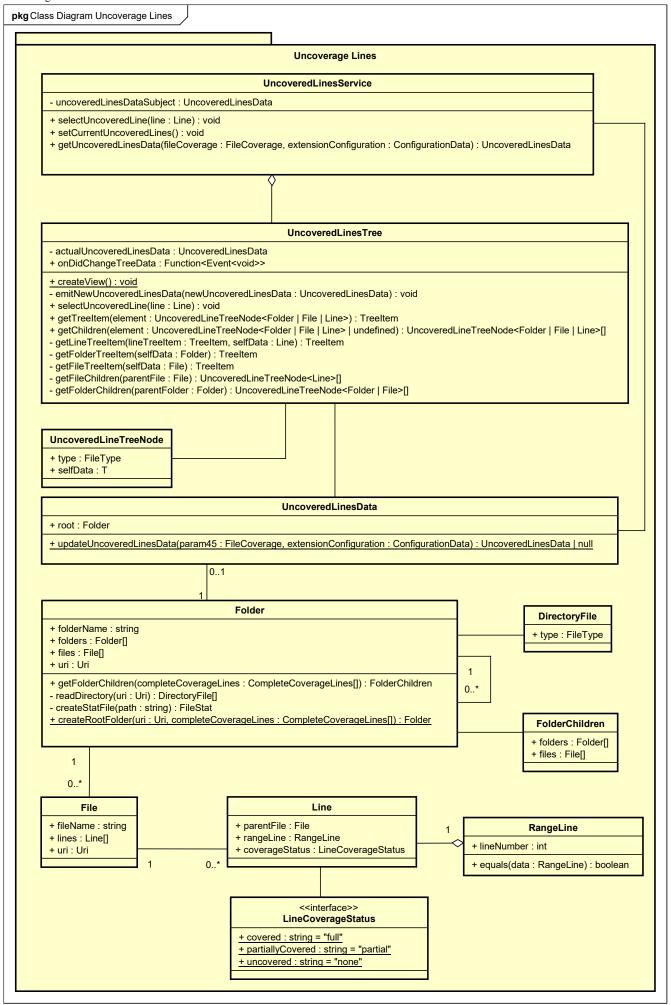
UI

ExtensionOrchestrationService

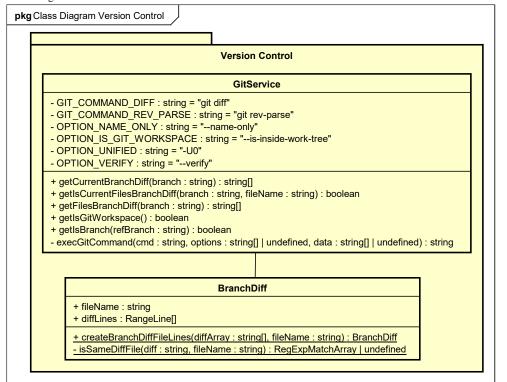
- actualFileCoverage : FileCoverage
- actualConfigurationData : ConfigurationData actualProjectConfiguration : ProjectConfiguration

- + initApp(): void registerCommands(): void registerViews(): void startProjectConfigurationObserver(): void
- startExtensionConfigurationObserver() : void startCoverageFileObserver() : void
- $+\ emitNewProjectConfiguration (newProjectConfiguration: ProjectConfiguration): void$
- + emitNewConfigurationData(newConfigurationData : ConfigurationData) : void
- + emitNewFileCoverage(newFileCoverage : FileCoverage) : void
- + fileFocusChange(): void
- + runTest(): void
- + initObservers(): void
- + startCoverageDataObserver(): void
- + emitNewCoverageData(coverageData : CoverageData) : void + handlePrePushConfigChange(projectConfiguration : ProjectConfiguration) : void
- + fileFocusChange() : void
- + generateProjectConfigurationFileCommand(): void

Class Diagram Uncovered Lines 2022/11/12



Class Diagram Version Control 2022/11/12



pkg Class Diagram Visual Studio Code

Visual Studio Code

VisualStudioCode

- actualFileCoverage : FileCoverage actualExtensionConfiguration : ConfigurationData
- editorWatcher : Disposable
- render() : void
- + redirectEditorTo(configFilePath : string) : void
- $+\ change Editor Decoration (file Coverage: File Coverage,\ extension Configuration: Configuration Data): void$
- + runScriptOnTerminal(command : string) : void + cancelEditorFocusChangeObservation() : void
- + observeEditorFocusChange() : void
- setDecorationsForEditor(editor : TextEditor, coverage : CoverageLines) : void
- removeDecorationsForEditors(): void + getFileWatcher(fileName: string): void