Parliament_Browser_9_4 parliament_browser_9_4.main.java data 🔻 impl uima >>Interface<< Speech_Impl Speech >>Class<< + getID():String - speechDoc: Document MongoToken EditorProtocolParser MongoSentence + getSpeakerID(): String - _id: String - speakerID: String + getText(): String + parseEditorProtocol(JSONObject, boolean): String + getStartPos(): int + getStartPos(): int + parseEditorAgendaltem(JSONObject, boolean): String + getEndPos(): int + getDate(): LocalTime - text: String + getEndPos(): int -date: LocalDate + parseEditorSpeech(JSONObject, boolean): String + getSentiment → + getLemmaValue(): String 1...* + getPOS(): String + parseEditorPerson(JSONObject, boolean): String - validateProtocolID(String): int{} + getEditorProtocolFromDB(String): JSONObject - startPos: int endPos: int - startPos: int + getEditorAgendaFromDB(String): JSONObject + getEditorSpeechFromDB(String): JSONObject + getEditorPersonFromDB(String): JSONObject - sentiment: double - endPos: int >>Interface<< - lemmaValue: String >>Class<< Protocol - pos: String Protocol_Impl - mongoDBHandler: MongoDBHandler + getID(): String - protocolDoc: Document - uo: UpdateOptions + getElectionperiod(): int >>Class<< - _id: String - uima: UIMAPerformer >>Class<< + getDate(): LocalDate ProcessedSpeech - beginTime: LocalTime - protocolRegs: List<String> + getProtocolNumber(): int MongoNamedEntity + toSpeechJson(): String - endTime: LocalTime - agendaReqs: List<String> + getBeginTime(): LocalTime + getEndTime(): LocalTime >>Class<< + getStartPos(): int + toSpeechCasJson(): String + toSpeechTokensJson(): String date:LocalDate - speechReqs: List<String> User + getEndPos(): int - electionPeriod:int - personReqs: List<String> + getSessionLeaders(): List<String> + getEntityType(): String + getCoveredText(): String + getID(): String - protocolNumber: int + getAgendaItemIDs(): List<String> + getRank(): String - sessionLeaders: ArrayList<String> - agendaltems: ArrayList<String> - speakerID: String - startPos: int - id: String - text: String - endPos: int - rank: String - date: LocaDate - entityType: String - coveredText: String - fullCas: String - sentiment: double >>Interface<< Person - mainTopic: String Person_Impl - tokens: List<MongoToken> + getID(): String - sentences: List<MongoSentence>
- namedEntities: List<MongoNamedEntity> - personDoc: Document + getFirstName(): String - _id : String + getLastName(): String - firstName: String + getRole(): String - lastName: String + getTitle(): String - role: String 0...n + getFraction(): String 0..n - title: String + getParty(): String - fraction: String + getPlace(): String - party: String + getGender(): String >>Class<< MongoDBHandler - electionPeriods: ArrayList<String> + getBirthDate(): String >>Class<< TimeHelper - place: String + getDeathDate(): String + getCollection(String col): MongoCollection<Document> - birthDate: String + setPfpMetadata(String data): void + convertToISOdate(String date): LocalDate - bithPlace: String + collectionExists(String col): boolean + getPfpMetadata(): String + convertToISOtime(String time): LocalTime + durationBetweenTimesInMinutes(Temporal begin, Temporal end): long + getDocument(String col, String id): void + createCollection(String col): void + addDocument(Document doc,String col): void - deathDate: String + setPfpUrl(String url): void - gender: String + getPfpUrl(): String - DATE_FORMAT_INPUT: DateTimeFormatter - CLOCK_FORMAT_INPUT: DateTimeFormatter + addDocuments(List<Documents> docs):void + updateDocument(Document doc, String col, String id): boolean + deleteDocument(String id, String col): void + insertPersons(List<Person> person): void + insertPerson(Person person): void instantiates and uploads Comment + insertProtocols(List<Protocols> protocols): void to Database + insertProtocol(Protocol protocol): void >>Class<< and + getID(): String + insertSpeech(Speech s, String fullCas, List<MongoTokens>, ...) Comment_Impl + getSpeechID(): String inserts + insertAgendaltems(List<Agendaltems>): void
+ insertComment(Comment c, double sentiment)
+ applyDateFiltersToAggregation(String fil, String f, List<Bson> pipel
+ aggregateIterate(String s, Bson... pipeline): Iterable<Document> + getSpeakerID(): String Extends into commentDoc: Document XMLPersonParser + getCommentator(): String Database _id: String + personParse(): void + getFractions(): List<String> - speechID: String + getNodesByName(Node n, String s): List<Node> MongoDB + getText(): String - speakerID: String + getSingleNode(Node n, String s): Node + getText(String col, String id): String + getDate(): LocalDate - commentatorID: String + addCAS(String col, String id, String cas): void text: String - persons: ArrayList<Person> **UIMAPerformer** + checkIfHasNonEmptyField(String col, String id, String field) - date: LocalDate interactions + checkIfDocumentExists(String col, String id) - protocols: ArrayList<Protocol> + getJCas(String text): JCas - fractions: ArrayList<String> with + getSpeechesBySpeakerCount(): void - agendaltems: ArrayList<Agendaltem> + getFullCas(JCas jcas): String + get uncas(JCas jcas): List<MongoToken>
+ getSentences(JCas jcas): List<MongoSentence>
+ getNamedEntities(JCas jcas) List<MongoNamedEntity> + getTokenCount(): void + getPersonEntities(): void >>Class<< + getOrganisationEntities(): void >>Interface<< + getLocationEntities(): void Agendaltem_Impl + getMainTopic(JCas jcas): String Agendaltem - ID: String + getAverageSentiment(JCas jcas): double XMLProtocolParser + getID(): String - db: MongoDatabase + serializeFromDB(String col, String id): void - titel: String - Protokoll: Protokoll - gson: Gson + speechParse(): void + getDate(): LocalDate + serializeToDB(String col, String id, String text): void - getAiElements(Nodelist): Map<String, String> + getSpeechIDs(): ArrayList<String> - Kommentare: Set<Kommentar> - validateQuery(String col, String id): void getElementList(Element, String): List<Element> - serializeData(String col, String id, String text): void - generateAnalysisEngine(): AnalysisEngine - generateDDCCategories(): String{} + getSubject(): String - protokollHandler: ProtokollHander - getChildElementList(Element): List<Element> instantiates - document: Document + addToSpeechMap(String..., Boolean, MongoDBHandler, int): int + addToCommentMap(String..., Integer, LocalDate, ...): void _and uploads _ - reden: Set<Rede> to Database + loadData(Node n): void - speechMap: Map<String, Speech> Poll_Impl - mongoDBHandler: MongoDBHandler - commentMap: Map<String, Comment> - analysisEngine: AnalysisEngine - _id: int - dbf: DocumentBuilderFactory - ddcCategories: String {} - date: LocalDate 0..n >>Interface<< - b90: int{} + toJson(): String - fdp: int{} - afd: int{} exceptions Use ¦ - linke: int{} >>Class<< - independent: int{} >>Class<< WrongInputException SparkHandler + WorngInputException() + main(String{} args): void + WorngInputException(String m) +init(MongoDBHandler): void + responseJson(String, Object): JSON + openInDefaultBrowser(String): void + openInDefaultBrowser(): void >>Class<< >>Class< NoPollException >>Class<< >>Class<< PollScraper Agendaltem_TeX Scraper + NoPollExcetion() Protocol TeX - mongoDBHandler: MongoDBHandler - cfg: Configuration + Agendaltem_TeX(Document) + getAllPolls(MongoDBHandler): List<Poll> + downloadAllXMLs(): void + NoPollException(String m) + toTeX(): String + Protocol_TeX(Document) + producePictureUrl(String firstName, String lastName): String{} + downloadTenXML(String url): int + getOnePoll(int): Poll - epParser: EditorProtocolParser + toTeX(): String instantiates + getFileName(String url): String aiDoc: Document and uploads - frontendPath: String - protDoc: Document - mdbh: MongoDBHandler - noPollC₁unter: int + checkSite(String url) >>Class<< to Databse - getHome: TemplateViewRoute - mdbh: MongoDBHandler EditorFormattingException - postHome: Route - targetDirectory: String + EditorFormattingException() - getLaTeX: Route + EditorFormattingException(String m) Speech TeX - getLaTeXString: Route - postLatex: Route 1...n + toTeX(): String - getProtokollEditor: TemplateViewRoute + nlpTableTex(String): String >>Class<< - postProtokollEditorInsert: Route + toTeX(String): String GoodWindowsExec - postProtokollEditorExtract: Route + main(String{}): void - getDashboard: TemplateViewRoute - mdbh: MognoDBHandler - getChartUpdates: Route - DECIMAL_FORMAT: DecimalF >>Class<< - getReden: TempalteViewRoute LaTeXHandler - getSpeechVis: Route - getSpeechIDs: Route >>Class<< + createTEX(String): String StreamGobbler + createPDF(String: void - getSpeechNetwork: TemplateviewRoute - getCommentNetwork: TemplateviewRoute + StreamGobbler(InputStream, String) + createTexFile(String): void - getSpeechTopicNetwork: TemplateviewRoute + run(): void targetDir: String - getLoginSite: TemplateViewRoute + is: InputStream - postChangePassword: Route - mdbh: MongoDBHAndler +type: String - postDeleteUser: Route - postLogout: Route - postRegister: Route - postLogin: Route - postEditUser: Route Interacts bundestag.de // Website //Database with Handles Connection Frontend Frontend CSS Public

FTL

JS

UMLClass Diagram // Backend //