UML Plot for the first assignment

CssHospitalDataExtracter

- hospital_types: list

+ main()
+ create_plot(ccs_hospital_info)
+ fetch_hsmr_reports()
+ read_hsmr_files(): list

HsmrReportsFetcher

- localSettings: LocalSettings
- pdf_file_name_template: str

+ fetch_files(hospital_types)
+download_hsmr_reports_from_sgc_codes
- get_info_agbcode_info_from_api

HsmrReportReader

- localSettings: LocalSettings
- ccs_category_info: CcsClassification

+ read_files()
- get_ccs_category_info()
- parse_single_hsmr_file(file_path)
- get_hsmr_file_paths()

Plotter

- ccs_data: List

+ has_data_to_plot()
+ create_plot()
+ show_plot()

FileDownloader

localSettings: LocalSettings

+ download_pdf_from_url()

AgbcodeApiHandler

- localSettings: LocalSettings
- apiUrl: str
- data: any
- hospital_type: str
- temp_file_name: str

+ has_data()
+ get_data_as_json()
+ get_agb_code_data()
+ extract_data_from_api()
+ get_temp_file_path()
+ has_temp_file()
+extract_data_from_temp_json_file()
+ create_json_output_file()
+ extract_data()

GoogleCustomSearchApi

- api_key: str
- search_engine_id: str

+ search(search_text)
+ google_search(search_term)
+ search_for_hsmr_pdf_file(results)

HsmrReportHandler

- file_path: str
-ccs_category_data:CcsClassification
- hospital_type: str
- hospital_code: str
- hospital_name: str
- hospital_place: str

+ get_ccs_info()

HsmrParserFactory

+ get_instance(parser_type: str) ->
Type

HsmrTextParser

- read_file()

HsmrPdfParser

- read_file()

AgbCodeData

- df: DataFrame

+ get_dataframe()
+ remove_empty_agb_codes()
+ get_agb_codes()

CcsClassification

- file_path: str
- df: pd.DataFrame
- pdf_key: str
- ccs_category_key: str
- ccs_index_key: str

+ read_csv_file()
+ get_dataframe()
+ has_pdf_key()
+ add_pdf_key_row()
+ get_pdf_key_info()
+ get_pdf_key(): str
+ get_ccs_index(): str
+ get_ccs_category(): str

HsmrParser

- file_path: str
- hospital_type: str
- hospital_code: str
- hospital_name: str
- hospital_city: str
- file_content: str

+ has_file_path(): bool
+ get_hospital_name(): str
+ is_umc(): bool
+ has_file_content(): bool
+write_content_to_text_file(export_file_path)
+ extract_ccs_numbers(CcsClassification)
+ read_file():