API Controller

Path: com.opus.backend.controller.APIController.class

This class is responsible for handling file uploads and Power BI-related tasks. Here's a summary of the functions:

1. **handleFileUpload():** This function handles file uploads. It accepts parameters such as primary\_key, uploader, measures, and an array of MultipartFile objects. It processes the uploaded files, reads the Excel file using PowerExcelReader, performs data cleansing, and calls an external API ( Talend ESB ) for each measure. Finally, it returns a JSON object containing the results.
2. **powerBIADDToken():** This function is responsible for generating an Azure Active Directory (AAD) token. It takes parameters such as tenantid, grant\_type, client\_id, client\_secret, and resource. It sends a POST request to the Azure AD token endpoint and returns the received token as a JSON object.
3. **powerBIAllReports():** This function retrieves all the reports in a Power BI workspace. It takes the workspace ID and the AAD token as input parameters. It sends a GET request to the Power BI REST API to fetch the reports and returns them as a JSON object.
4. **powerBISingleReport():** This function retrieves a single Power BI report from a workspace. It takes the workspace ID, report ID, and the AAD token as input parameters. It sends a GET request to the Power BI REST API to fetch the report and returns it as a JSON object.
5. **powerBIGenerateToken():** This function generates a Power BI embed token for a specific report. It takes the workspace ID, report ID, AAD token, username, and dataset ID as input parameters. It sends a POST request to the Power BI REST API to generate the embed token and returns it as a JSON object.