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ASPARK-STARTER FEATURES AND FUNCTIONALITIES

1. PROJ MANAGER FEATURES AND FUNCTIONALITIES

1.1. Project advancement documentation

The ongoing issues and the advancement of the tool development can be tracked via the issues tables online:
https://docs.google.com/spreadsheets/d/e/2PACX-1vR0wo5N32EpubwxBfeFxi6X-eOmXwOPg4WSyA4qBSz1Yu0EyU34jl0xICgWzrFUSeEA_aC4RF7LRqx9/pubhtml

```
# start the spark program
bash src/bash/aspark-starter/aspark-starter.sh -a run-local-app
```

1.2. Documentation

The tool has extensive documentation as follows:
The UserStories:
https://github.com/YordanGeorgiev/aspark-starter/blob/master/doc/md/aspark-starter-user-stories.md
The Requirements:
https://github.com/YordanGeorgiev/aspark-starter/blob/master/doc/md/aspark-starter-requirements.md
The DevOps Guide:
https://github.com/YordanGeorgiev/aspark-starter/blob/master/doc/md/aspark-starter-devops-guide.md
The Features and Functionalities Description:
https://github.com/YordanGeorgiev/aspark-starter/blob/master/doc/md/aspark-starter-features-and-functionalities.md

2. DEVOPS FEATURES AND FUNCTIONALITIES

2.1. Clean consistent logging to file and STROUD

The tool has clean and consistent logging to STDOUT and log file.

```
# start the spark program
bash src/bash/aspark-starter/aspark-starter.sh -a run-local-app
```

2.2. Semi automated installation

The installation of the tool is fully automated. The installation of the required binaries and libraries is semi-automated with requirements check scripts. The installation is fully documented in the DevOps guide.
The DDL and DML sql scripts can be executed via a single action.

2.3. Shell based actions

All the actions on the toool can be envoked with the -a <<action-name>> argument. For example:

```
# start the spark program
bash src/bash/aspark-starter/aspark-starter.sh -a run-local-app
```

2.4. RDBMS read to DataFrames objects demo

The tool demonstrates how to read data from RDBMS into DataFrames objects

2.5. DataFrames to file system saving demo

The tool demonstrates how to read data from DataFrames and save it to file system as files