BibCreator written in Java with lots of configs and user configurations that can be done to the application without need to change the base code.

In this application, BibCreator reads and processes a given .bib file (which has one or more articles) and create 3 different files with the correct reference formats for IEEE, ACM and NJ. Given 10 files, called Latex1.bib to Latex10.bib. BibCreator application reads all 10 input files (in one execution), determines whether each of these files is valid or not (details given below). If a file is valid, then BibCreator will create 3 different files based on the articles in this file, one for IEEE format, one for ACM format and the last for NJ format. To distinguish our application from other existing similar software, these files are called IEEEi.json, ACMi.json, and NJi.json


```
@ARTICLE{
8247289,
author={J. Park and J. N. James and Q. Li and Y. Xu and W. Huang},
journal={IEEE Transactions on Vehicular Technology},
title={},
year={2018},
volume={PP},
number={},
pages={15-27},
keywords={Forward error correction;Long Term Evolution;Maintenance engineering;Multicast commun
doi={10.1109/TVT.2018.2789899},
ISSN={0018-9545},
month={January},
}

@ARTICLE{
2380090,
author={},
journal={IEEE Transactions on Computer Science},
title={Detecting Security Vulnerabilities in Binary Code},
year={2017},
volume={QQ},
number={85},
pages={},
keywords={Security attacks;Binary code processing;Security error detection;Deep machine learnin
doi={14.2408/TCS.2017.4746889}.
```

This is also empty, but processing will not reach here as the file has already been determined to be invalid!


```
Console
<terminated> BibCreator (2) [Java Application] C:\Program Files\Java\jre1.8.0_161\bin\javaw.exe (Oct 10, 2020, 4:22:41 PM)
Welcome to BibCreator!

Error: Detected Empty Field!
============================

Problem detected with input file: Latex3.bib
File is Invalid: Field "month" is Empty. Processing stoped at this point. Other empty fields may be present as well!

Error: Detected Empty Field!
============================

Problem detected with input file: Latex4.bib
File is Invalid: Field "pages" is Empty. Processing stoped at this point. Other empty fields may be present as well!

Error: Detected Empty Field!
============================

Problem detected with input file: Latex8.bib
File is Invalid: Field "journal" is Empty. Processing stoped at this point. Other empty fields may be present as well!

A total of 3 files were invalid, and could not be processed. All other 7 "Valid" files have been created.

Please enter the name of one of the files that you need to review:NJ8.json
Could not open input file. File does not exist; possibly it could not be created!

However, you will be allowed another chance to enter another file name.
Please enter the name of one of the files that you need to review:ACM1.json
Here are the contents of the successfully created Jason File:ACM1.json
[1]     J. Park et al. 2018. Optimal DASH-Multicasting over LTE. IEEE Transactions on Vehicular Technology. PP, 99 (2018), 15-27. DOI:https://doi.org/10.1109/TVT.2018.2789899.

[2]     T. Jackson et al. 2017. Detecting Security Vulnerabilities in Binary Code. IEEE Transactions on Computer Science. QQ, 85 (2017), 1-12. DOI:https://doi.org/14.2408/TCS.2017.4746889.

[3]     S. Simon et al. 2016. Simulating Power Systems for the Detection of Remote Attacks. IEEE Transactions on Power Systems. FF, 92 (2016), 132-145. DOI:https://doi.org/15.1201/TPS.2016.4398990.

[4]     T. K. Roman et al. 2018.  IP-Based Mobility Optimization. Mobile Networks and Applications. AA, 4 (2018), 64-82. DOI:https://doi.org/233.5490/TPS.2018.8700003.

Goodbye! Hope you have enjoyed creating the needed files using BibCreator.
```