

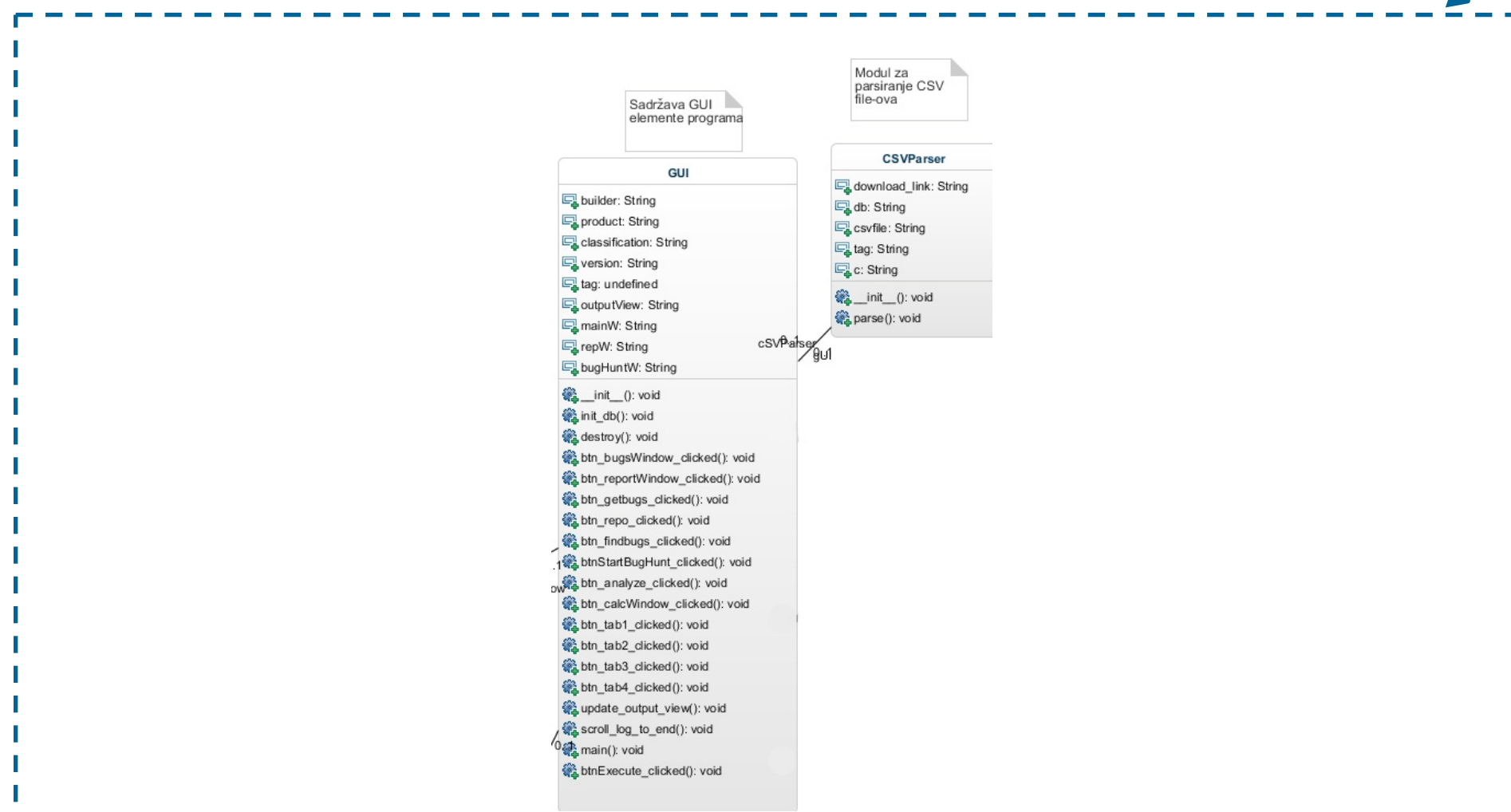


Summary

- Download GIT repositorys, finding release tags along with creation date and storing them in a database.
- Project Goals:
 - Automatization of finding tags with their date and parsing in database
- Project Requirements
 - Git, Python, MySQL

Developed Component

Class diagram

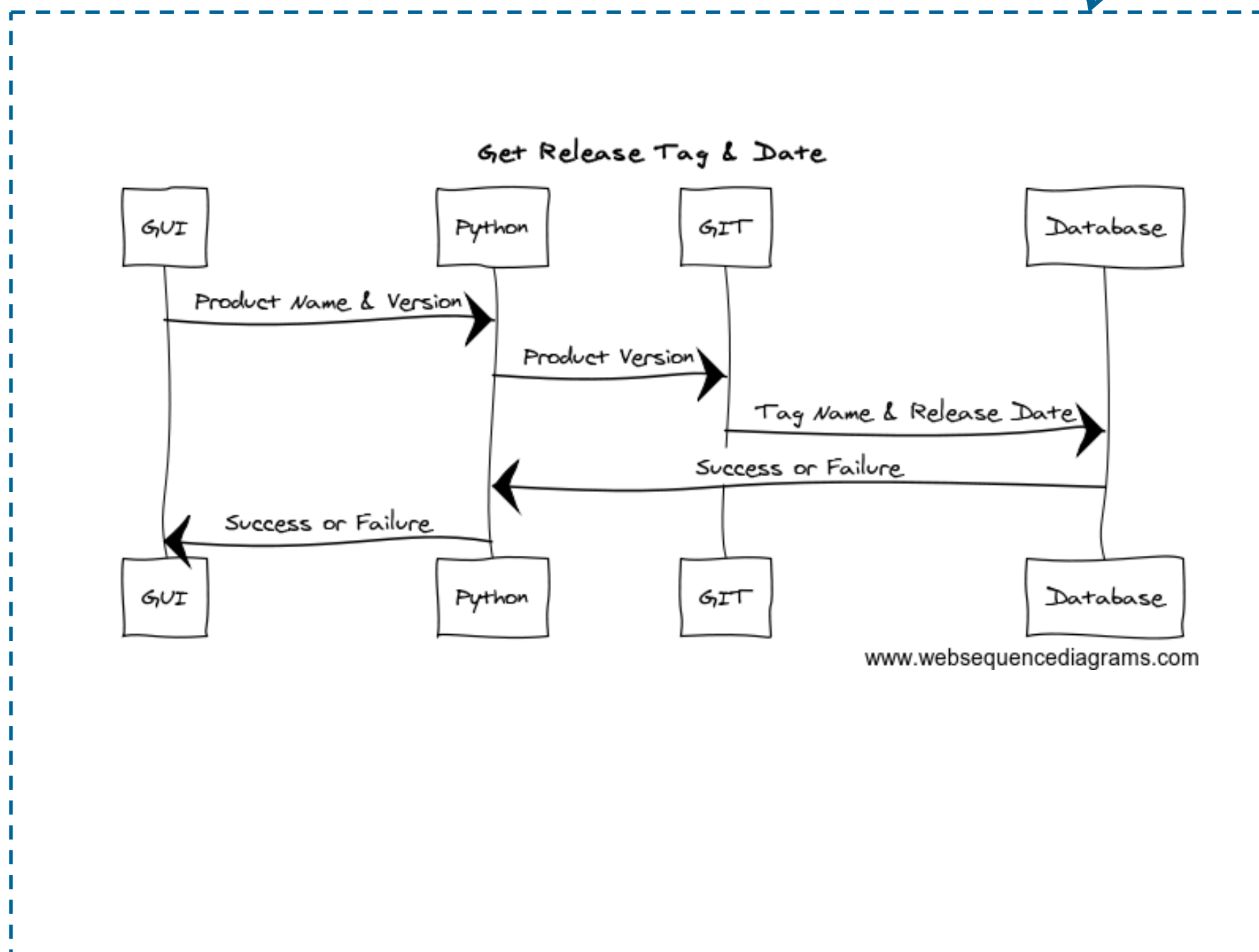


- Classes used in project

Input / Output

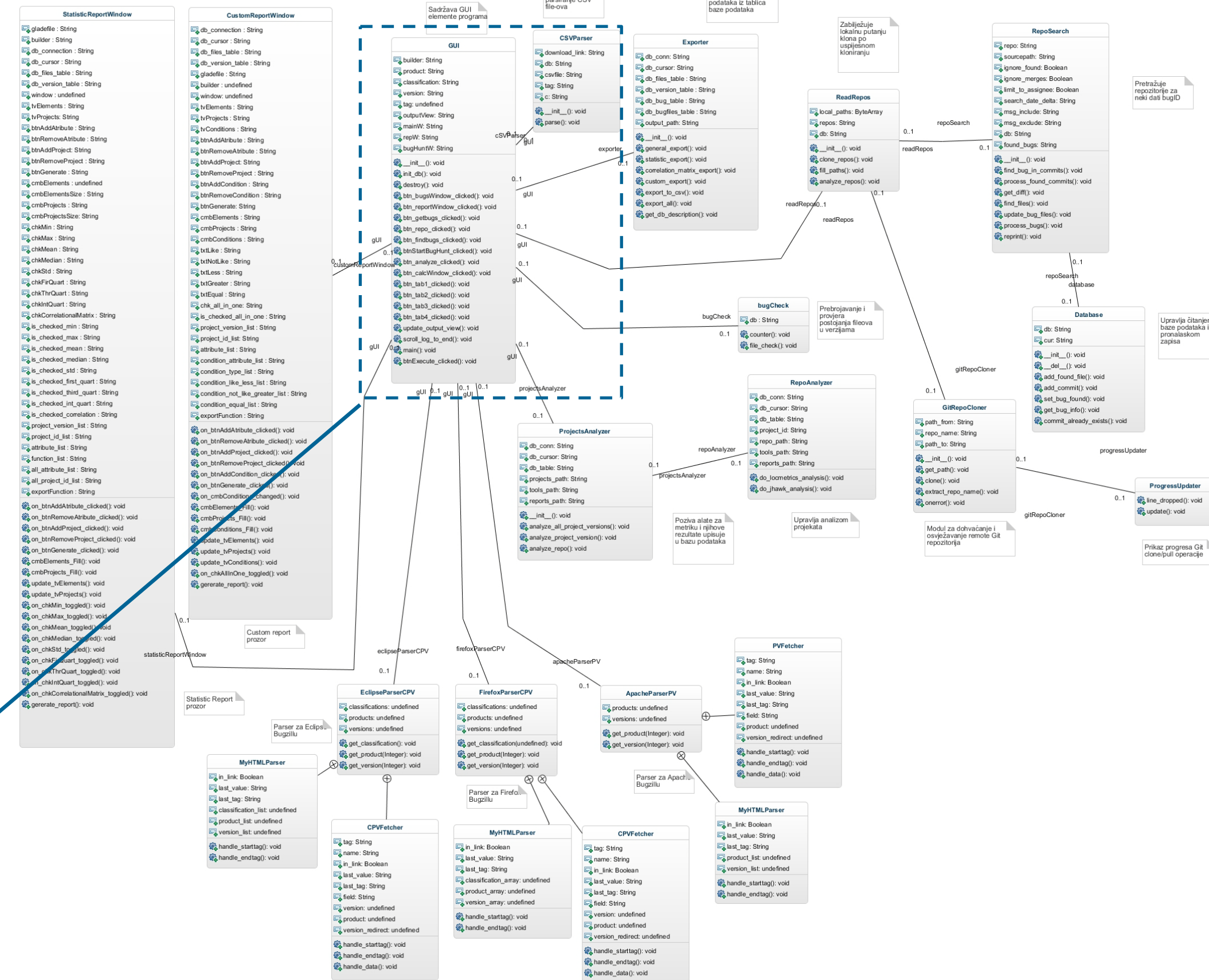
- Input: Project name and version
- Output: Release tag name and date

Sequence diagram



- Sequence diagram

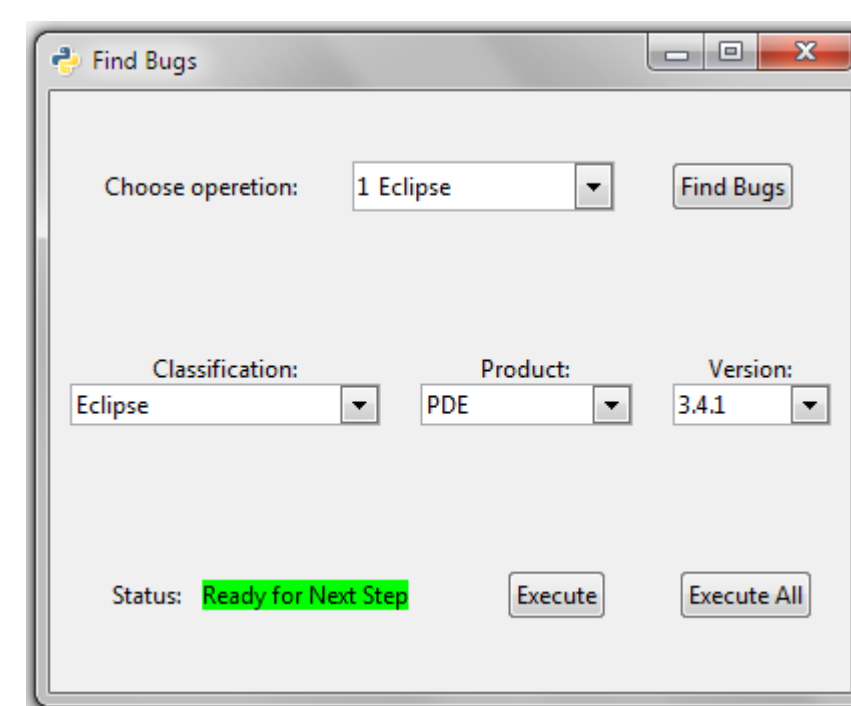
Overall Architecture



- Architecture components: Git commands, CSV parser, Database input

GUI

GUI for Developed Component



- User chooses classification, product and version, release tag are automatized
- Possibility of getting release tag name and date

Conclusion

- Experienced problems
 - Tags do not have a usual way of naming (example with _ / -)
- Learned Concepts
 - Git commands
- Future work improvements
 - Optimization
 - Download of only release tags, not full repositories, because it costs a lot of time and memory