

# Assignment 1: Flashcard Creation for Driving Test

## User Stories and Requirements

### User Stories:

1. As a learner preparing for my driving test, I want to create flashcards from screenshots of the questions to efficiently study for the exam.
2. As a user with a folder of question screenshots, I want to generate a .txt file formatted for Anki, containing pairs of questions and answers, for easy import into the flashcard program.
3. As a learner, I want the output file to maintain the order of the question-answer pairs, ensuring consistency with my study materials.
4. As a user, I want the output file to be semicolon-separated with two fields: the question image and the answer image, to ensure compatibility with Anki.
5. As a user, I want the images in the output file to be linked properly using HTML image tags to ensure they display correctly within Anki.
6. As a learner, I want the output .txt file to be successfully importable into Anki without any formatting issues, ensuring a seamless study experience.

### Requirements:

1. The program must read screenshots from a specified folder.
2. The program must process the screenshots in pairs, with one image representing the question and the next representing the answer.
3. The program must maintain the order of the question-answer pairs as per the sequence of screenshots in the folder.
4. The output file must be in .txt format.
5. The output file must use semicolon as a delimiter.

6. Each line in the output file must contain a pair of question and answer images, separated by a semicolon.
7. The images in the output file must be linked using HTML image tags.
8. The program must ensure proper formatting of the output file to enable successful import into Anki.
9. The program must handle a large number of screenshots efficiently ( 1600).
10. The program must be user-friendly, with clear instructions on how to use it to generate the Anki-compatible .txt file.
11. The program must be hosted on GitHub and have regular commits to track changes and collaborate with others effectively.

For information on importing text files with media into Anki, please refer to the following link: <https://docs.ankiweb.net/importing/text-files.html#importing-media>