User Stories: Dotbot Minimum Viable Application (Version 1.0)

- GUI Interface

  - On startup, the instructor sees a graphical user interface containing menus that provide access to the functionality of the application.

- Open Examset

  - The instructor can open a PDF file containing scanned exam images.
  - The first exam (the key) is displayed.
  - Each page of the PDF is an image for 1 exam.

- Analyze Key

  - The program analyzes the key and reports the # of questions and the correct answer for each question based on the key.
  - Must work initially with 1-sided Scantron (reddish) form.

- Browse Examset:

  - There is an on-screen display where the instructor can "browse" through an exam-set.
  - The application displays one exam on the screen at a time and allows the instructor to move to the previous and next exams.

- Key-Exam View

  - The instructor can visually compare an exam to the key during browsing with side-by-side display.

- Auto-score Exam

  - Compares currently displayed exam to the key and reports raw_score (e.g. 28/30) and percentage (93.3%)
  - Initially assumes each question is worth 1 point and requires an exact match with key.

- Auto-score Examset

  - Auto-scores each exam in the entire exam set
  - Browsing the auto-scored examset displays the scoring results associated with each exam

- Save Scores

  - Scores are saved to a csv file.
  - The instructor provides a name for the file.
  - The default name suggested is the name of the original exam-set PDF file with "-scores.csv" appended.
  - The instructor provides a title line for the file that describes the contents.
  - The format of the file is (student data starts on 3rd line):
    ```
    Instructor-supplied Title (e.g. CS 270 Exam 1 -- Fall 2018)
    Points Possible (e.g. 50)
    id1, score1, percentage1
    id2, score2, percentage2
    ...
    ```