# Homework 3: Session management

Follow the instructions below step by step.

This homework builds on and modifies the application developed in earlier homeworks. Make sure that you have addressed all the feedback you got from previous homework before working on the current one.

Notify me via email if you complete your homework before the deadline. You are likely to get your feedback earlier. If you do not notify me, I will check the status of your repository by the end of the day of the deadline.

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1. `commit` any changes you made, and tag the current state as 'homework2'.

2. Create a new branch, e.g., `session`, and switch to it.

3. In the previous homeworks you have used *hidden form fields* and *cookies* for managing the application state. Modify your source code such that it uses *PHP session management*.

   Test your changes and commit.

4. Modify your application such that if the user stops before finishing the quiz, and returns after less than a week's time , (s)he should continue from the question/state (s)he left. If the user returns after more than one week, the application should start from the beginning.

   Test, your changes. You can use shorter session timeouts or modify your local computer's time for testing. You can also temper with the cookies in some browsers, or using browser extensions.

   Commit your changes to the repository.

5. Switch to the `master` branch, add a *plain text* file with with name `homework3.txt` with short answers to the following questions:

   1. Briefly (not more than 3 sentences) explain how a user can skip a question, or change their score in-between questions in the previous versions of your application that uses only cookies for session/state management (homework 2 version of your application).
   2. Is the same method of 'cheating' possible for the current version that uses PHP sessions? Why or why not?

   Add the file to your repository, commit.

6. Delete the branch `multi` which is not needed anymore.

7. Push all your changes, including tags, to your remote repository (i.e., your repository on bitbucket or github). Also make sure that the branch `multi` is deleted from the remote repository (this needs a tricky notation in git, but a web search will certainly give you the answer).