Web Applications Development: Server

2 II 2018

> Allotted time: 90 minutes. You have to send the solution *before* 11:50.
> Points total: 25

1 Sending the solution

Pack all source files (excluding obj, bin, packages) into zip and name it by replacing login with your lab login. $\boxed{\text{login}}$.zip.

Send email:

`To:` jan.karwowski@mini.pw.edu.pl
`Subject: [WebApp] Server3 2017`
`Attachments:` $\boxed{\text{login}}$.zip

Empty message body.

2 The task: multi stage survey

You have to write a web application making a survey divided into several stages. The application have to remember data entered earlier when going back to previously filled in stage.
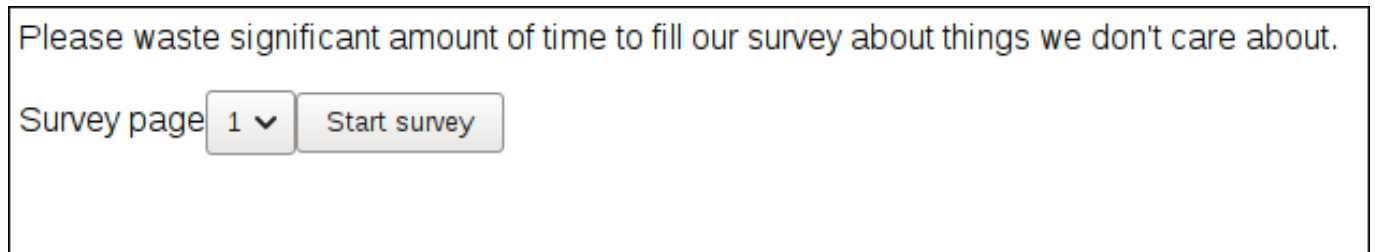
A `C#` source file containing an array of survey questions divided into pages (stages). You don't have to use the provided file, but order of questions must be preserved.

2.1 Common requirements

In the solution:

- you must not use javascript,

- you have to use http methods with accordance to their semantics,

- use automatic binding of query string or path parameters to function arguments or automatic (de)serialization of request/response elements.

2.2 Detailed requirements

Rysunek 1: Project start page

1. $\boxed{\text{2 points}}$ A page like in figure 1 is shown as project's startup page.

2. $\boxed{\text{5 points}}$ *Start survey* button takes user to given survey stage page (figures 2, 3, 4). No values have to persist between stages yet. Jumping to given page must allow user to create bookmark to each stage.

3. $\boxed{\text{3 points}}$ Buttons Next/Previous page work. *Prev page* on page 0 takes user to page 0. *Next page* at the last page may cause an error.

4. ⟨4 points⟩ Clicking next/previous causes current survey answers to be stored. When user visits page again, the values are recalled. Storing of values must be done using **session**.

5. ⟨3 points⟩ Clicking *next page* on the last page takes user to page with summary, like in figure 5.

6. ⟨3 points⟩ *Forget data* button clears all survey data and goes to the start page.

7. ⟨5 points⟩ After checking *remember name* and clicking *forget data* value in *your name* is remembered for 7 days and recalled in subsequent visits on summary page.

Survey page 0

Favorite animal

Unicorn

Favorite color

Pink

Favorite My Little Pony character

Rarity

Prev page   Next page

Rysunek 2: First page of survey

Survey page 1

Age

28

Nationality

PL

Occupation

| Prev page | Next page |

Rysunek 3: The second page of survey

Survey page 2

Do you like groundhogs?

Yes

42

Prev page   Next page

Rysunek 4: The third page of survey

Survey summary

Question	Answer
Favorite animal	Unicorn
Favorite color	Pink
Favorite My Little Pony character	Rarity
Age	28
Nationality	PL
Occupation	
Do you like groundhogs?	Yes
42	

Your name [_____] remember name ☐

[Forget data]

Go to start page

Rysunek 5: Survey summary