Solve real problems and enhance your skills with browser based hands on labs without any downloads or configuration

Scenario 1 - Committing Files

Learn how to initalise a repository and start committing files.

Repeat Scenario

Scenario 2 - Committing Changes

Learn how to compare and commit changes.

Repeat Scenario

Scenario 3 - Working Remotely

Learn how to share your changes with others and access other people's changes.

Repeat Scenario

Scenario 4 - Undoing Changes

Learn how to undo changes when required.

Repeat Scenario

Scenario 5 - Fixing Merge Conflicts

Learn how to fix merge conflicts then they occur.

Repeat Scenario

Scenario 6 - Experiments Using Branches

Learn how to create branches of master for experimenting and prototyping ideas.

Repeat Scenario

Scenario 7 - Finding Bugs

Learn how to find commits related to bugs and issues with code.

Repeat Scenario

Scenario 8 - Being Picky With Git

Learn how to pick certain commits and changes from other repositories.

Repeat Scenario

Scenario 9 - Re-writing History

Learn how to re-write history when required.

Repeat Scenario

Playground

Use Git in a safe playground environment

Explore Playground

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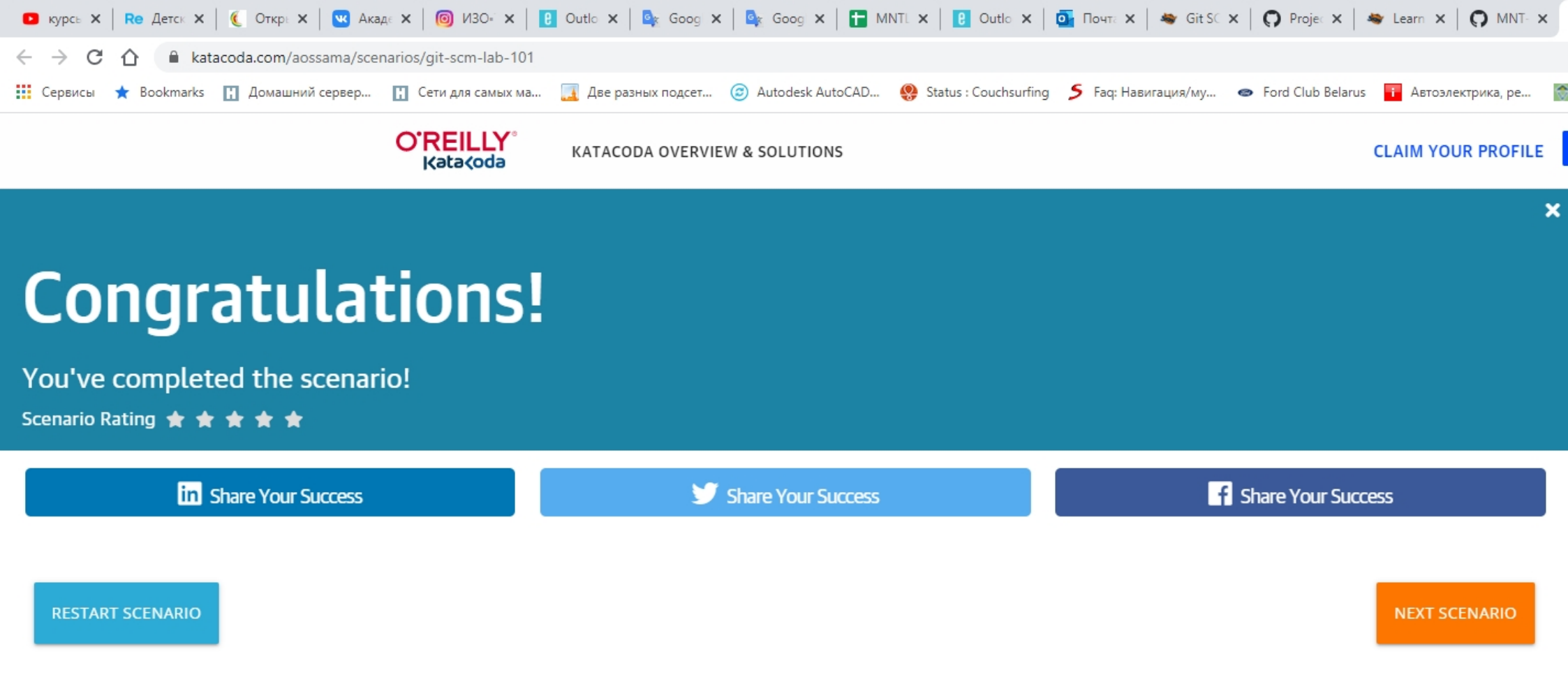
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Congratulations!

You've completed the scenario!

Scenario Rating ★ ★ ★ ★ ★

The most important takeaways from this lab are:

- `git clone` is used to create a copy of a target repo
- `git remote` is used to create, view, and delete connections to other repositories
- `git push` is used to propagate changes on the local repository to remote repository
- `git fetch` is used to download objects and refs from another repository
- `git pull` is used to fetch from and integrate with another repository or a local branch

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Congratulations!

You've completed the scenario!

Scenario Rating ★ ★ ★ ★ ★

The most important takeaways from this lab are:

- `git checkout` can be used to create branches, switch branches, and checkout remote branches
- `git branch` commands primary functions are to create, list, rename and delete branches
- `git tag` is used to create semantic version number identifier tags that correspond to software release cycles
- `git merge` is used to combine multiple sequences of commits into one unified history
- `git rebase`
- `git reset`

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Congratulations!

You've completed the scenario!

Scenario Rating ★ ★ ★ ★ ★

Now that you have an understanding of the projects you will use throughout this course, let's get started!

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