

PV 168
Seminar 04

Agenda

- Projects: Next Steps
- Seminar task
- Seminar task reflection

Project: Next Steps

- Read the assignment
- Try to design how the application will look like
 - Keep in mind that result is desktop application, not the web application
 - Follow the standards and conventions for desktop applications
 - Application should be user friendly
- The next step is a meeting with the customer (one of the seminar tutors)
 - Clarification of the assignment (do not assume anything, ask instead!)
 - Preliminary approval of the GUI (via screenshots, wireframes, or so...)
 - The meeting duration is 30 minutes
 - More instructions will be communicated via e-mails

Seminar task

- You will be now split to teams consisting of four students
- Create and push the branch (see the next slides)
- Refactor the code (see the next slides)
- You have **60 minutes** to solve all the tasks
- If you need any help, **Ask for Help in Zoom**

Working with branches in Git

- Clone the project (if you haven't done it yet)
- Create new local branch
 - based on commit **168b78c6** (current head of master branch)
 - with name **week04-group0X-roomY** (0X is seminar group, Y is breakout room number)
 - If you from group PV168/01 and breakout room 3, branch name is week04-group01-room3
- Pavel Hrdina or Petr Adámek will give you write access to calculator repository
 - Only one person per breakout room - the one who will use the computer for coding
 - Petr or Pavel will visit your breakout room to ask who is this person
 - In the meantime work on other tasks
- Push the branch to origin repository

Seminar task

- Implement a new power operation represented as $^$ (a^b is written as a^b).
 - $2^3=8.0$
 - $2^{0.5}=1.4142135623730951$
 - Don't forget the tests (you can use the ones from the first seminar)
- Modify the application to show 2 independent calculator windows
 - Make sure both windows work correctly
- Fix the layout of the application
 - See <https://is.muni.cz/auth/el/fi/podzim2020/PV168/um/seminare/GridBagLayoutExample.java>
- If you still have time, you can fix other bugs identified in the second seminar
 - Integer results should be displayed without the “.0” suffix
 - Pressing a number after previous evaluation should throw away its result
 - Decimal separator can only be present once in a number
 - ...

Link to Slides

<https://is.muni.cz/auth/el/fi/podzim2020/PV168/um/seminare/PV168-seminar-04.pdf>

Conclusion

Any questions?