

PV 168
Seminar 06

Agenda

- Projects: First Milestone
- Seminar task
- Seminar task reflection

Project: First Milestone

- Design and implement GUI of the application in the scope of MVP
 - Just GUI, not the business logic
 - However the GUI should be complete (all screens, menu items, buttons, etc.)
 - You should be able demonstrate how the application will look like and how it will behave
- **Deadline: 13. 11. 2020 23:59**
 - The **master** branch of your repository at <https://github.fi.muni.cz> contains your GUI MVP
- If you have any questions, ask assigned seminar tutor (the one who has customer role for your project)

Seminar task

- You will be now split to teams consisting of four students
- Create and push the branch (see the next slides)
- Work on the tasks in the specified order (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 <https://gitlab.fi.muni.cz/pv168/employee-evidence>
- Create new local branch
 - based on commit **8dc0bbaa** (current head of master branch)
 - with name **week06-group0X-roomY** (0X is seminar group, Y is breakout room number)
 - If you from group PV168/**01** and breakout room **3**, branch name is week06-group**01**-room**3**
- Pavel Hrdina or Petr Adámek will give you write access to employee-evidence 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

- Modify the application to have operations **Add**, **Delete** and **Edit** in
 - Local menu of employee table (label, icon, keyboard shortcut, tooltip and mnemonics)
 - Menu Edit (label, icon, keyboard shortcut, tooltip and mnemonics)
 - Toolbar (icon and tooltip)
- Modify the application to enable operation (i.e. all menu items and buttons)
 - **Edit** only when single row is selected
 - **Delete** only when at least one row is selected
- Add these columns into the table (each column in separate commit)
 - **Gender** (make it also editable)
 - **Birth Date**
 - **Age**
- Change the order of columns in model to the following (as another commit):
 - **Gender, Age, Last Name, First Name, Birth Date**

Some hints & Link to slides

How to calculate employee age (two possible ways):

- `ChronoUnit.YEARS.between(employee.getBirthDate(), LocalDate.now());`
- `Period.between(employee.getBirthDate(), LocalDate.now()).getYears();`

<https://is.muni.cz/auth/el/fi/podzim2020/PV168/um/seminare/PV168-seminar-06.pdf>

Conclusion

Any questions?