

MINISTRY OF SCIENCE AND EDUCATION □ NATIONAL TECHNICAL
UNIVERSITY □ “KHARKIV POLYTECHNIC INSTITUTE”

DEPARTMENT OF SOFTWARE ENGINEERING AND MANAGEMENT INFORMATION
TECHNOLOGIES

Report from lab#4
Discipline “Fundamentals of Software Engineering”

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Kharkiv
2017

Goal : Plan system activities. To obtain basics experience and knowledge to Lab No 4 work with project tracking system

Tasks :

1. Register on the free xp-dev.com account
2. Create new project
3. Add new user to project.
4. Create new Iteration.
5. Add new user stories and add task to implementation of user story
6. Assign tasks to users of you team
7. Create svn repository
8. Test accessibility via svn.exe (can get from the instructor)

1. Register on the free xp-dev.com account

XP-Dev.com Registration

All fields are required

Name

mohammed amine benhassoun

.xp-dev.com

Username

mabenhassoun

Email

mabenhassoun@gmail.com

Password

Re-enter Password

Location Pick a location closest to you and your team

Europe (Germany)

Plan

Pro Small - 2GB space

Price: \$5/Month, \$48/Year

All plans include unlimited projects, repositories & users.

Your trial subscription will start today, and end in 30 days time. You do not need to pay us anything during this time.

Register

Login to mabenhassoun.xp-dev.com

User

mabenhassoun@gmail.com

Your Username (case sensitive)

Password



Login

Reset your password

2. Create new project

The screenshot shows a web browser window with the URL <https://benhassoun.xp-dev.com/projects/new/wicket:interface/:7:newProjectForm::iFormSubmitListener::>. The page title is "Create a New Project". The navigation bar includes "Dashboard", "Projects", "Timeline", "Users", "Account", and "Administration". The "Projects" tab is active. The form has a dark blue header "Create a New Project" and a red error message: "Field 'description' is required." The form fields are: "Name" (Software Eng Lab 4), "Abbreviated Name" (mabeeen), "Description" (My First Project), and "Issue Tracking Type" (radio buttons for XPDev, Trac, and Barebones). A "Create Project" button is at the bottom. A "Back to Projects" link is in the top right. A footer note says: "Need assistance? Get in touch, or head to our documentation site."

Create a New Project

Field 'description' is required.

Name
Software Eng Lab 4

Abbreviated Name
mabeeen

Description
My First Project

Issue Tracking Type
☒ XPDev
☐ Trac
☐ Barebones

Please choose the type of issue tracking software that you'd like to use. By default, your project will use XP-Dev.com's own internal issue tracker. You will be able to create source control repositories for all project types.

Create Project

Back to Projects

Need assistance? Get in touch, or head to our documentation site.

3. Add new user to project.

The screenshot shows the "Manage Users" page in the mabenhassoun application. The navigation bar includes "Dashboard", "Projects", "Timeline", "Users", "Account", and "Administration". The "Users" tab is active. The page has a dark blue header "Manage Users". Below it is a table of users with columns "Username", "Email", and "Role". The table shows one user: "mabenhassoun (you)" with email "mabenhassoun@gmail.com" and role "Owner". There are "Edit" and "Reset Password" links next to the user. Below the table is a "Create a New User" section with a form. The form has a "Username" field (mabeeen) and an "E-Mail" field (mabenhassoun@gmail.com). A "Create User" button is at the bottom. A note on the right says: "Grant access for these users to projects using each individual user's Project Permissions link or via each individual Project's 'Settings' tab." A footer note says: "Need assistance? Get in touch, or head to our documentation site."

mabenhassoun

Dashboard Projects Timeline Users Account Administration

Manage Users

Username	Email	Role
mabenhassoun (you)	mabenhassoun@gmail.com	Owner

Edit Reset Password

Create a New User

An email will be sent to the new user with a random password

Username
mabeeen

E-Mail
mabenhassoun@gmail.com

Create User

Grant access for these users to projects using each individual user's Project Permissions link or via each individual Project's "Settings" tab.

Need assistance? Get in touch, or head to our documentation site.

4. Create new Iteration.

DashboardProject TrackingWiki (1)Forums (0)Blog (0)Repository (0)Activity (1)SearchSettings

Project Tracking >> Iterations >>

Create a New Iteration

Back to Project Tracking Home

Name

Process of Passing Lab 4

Starting [dd/MM/yyyy]

13/12/2017

Ending [dd/MM/yyyy]

27/12/2017

Completed ☐

Save Iteration

Need assistance? [Get in touch](#), or head to our [documentation](#) site.

5. Add new user stories and add task to implementation of user story

DashboardProject TrackingWiki (1)Forums (0)Blog (0)Repository (0)Activity (2)SearchSettings

Project Tracking >> Iterations >> Process of Passing Lab 4 >>

Create a New Story

Back to Iteration Process of Passing Lab 4

Description

H1 H2 H3 H4 H5 H6 | B I S | | | | | | | |

Our teacher help us to obtain basics experience and knowledge to work with project tracking system using XP-DEV Free Account

Attach New File Attach Uploaded File ☒ Auto Preview Preview Text Formatting Guide

Our teacher help us to obtain basics experience and knowledge to work with project tracking system using XP-DEV Free Account

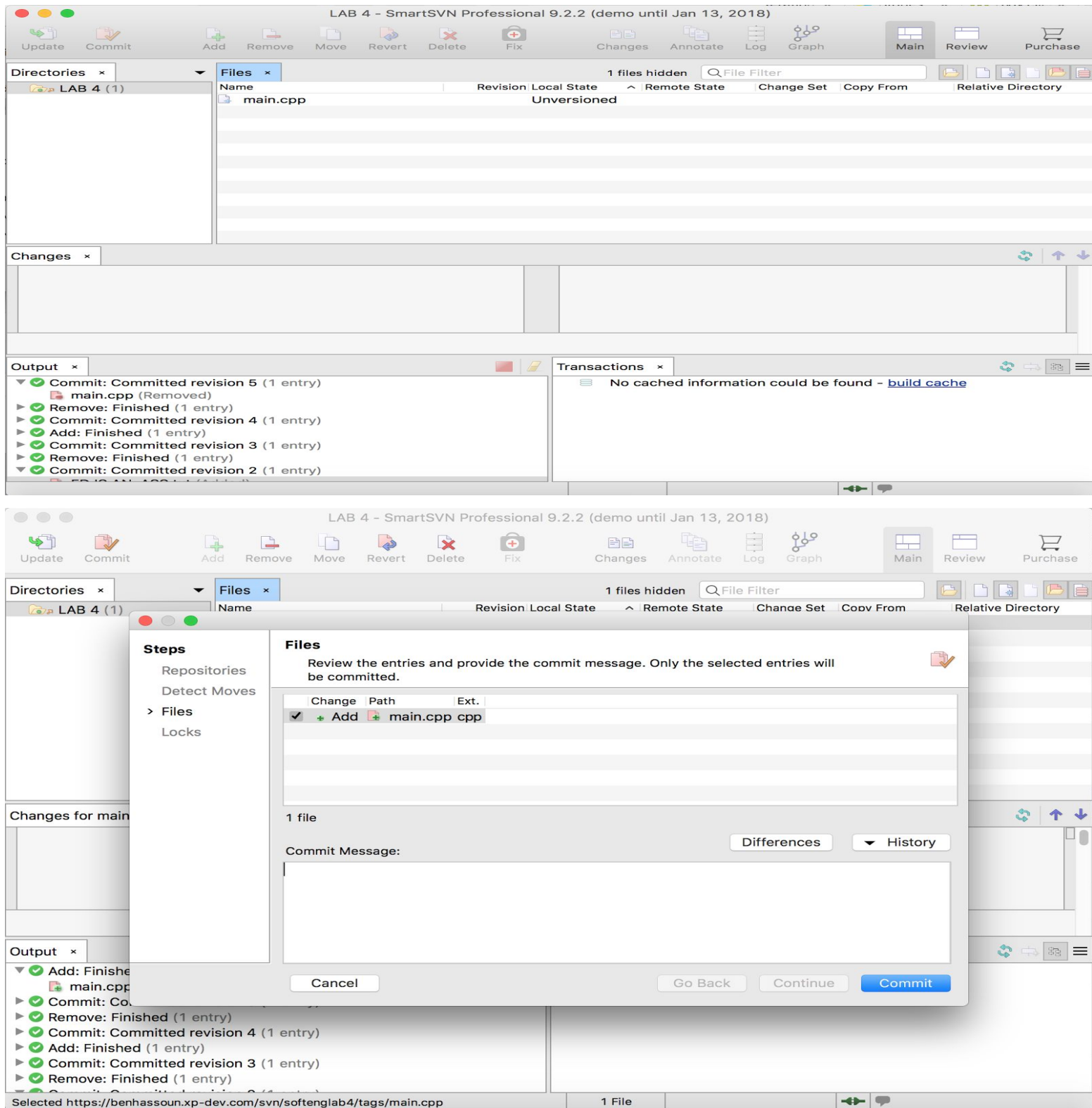
Iteration

Process of Passing Lab 4

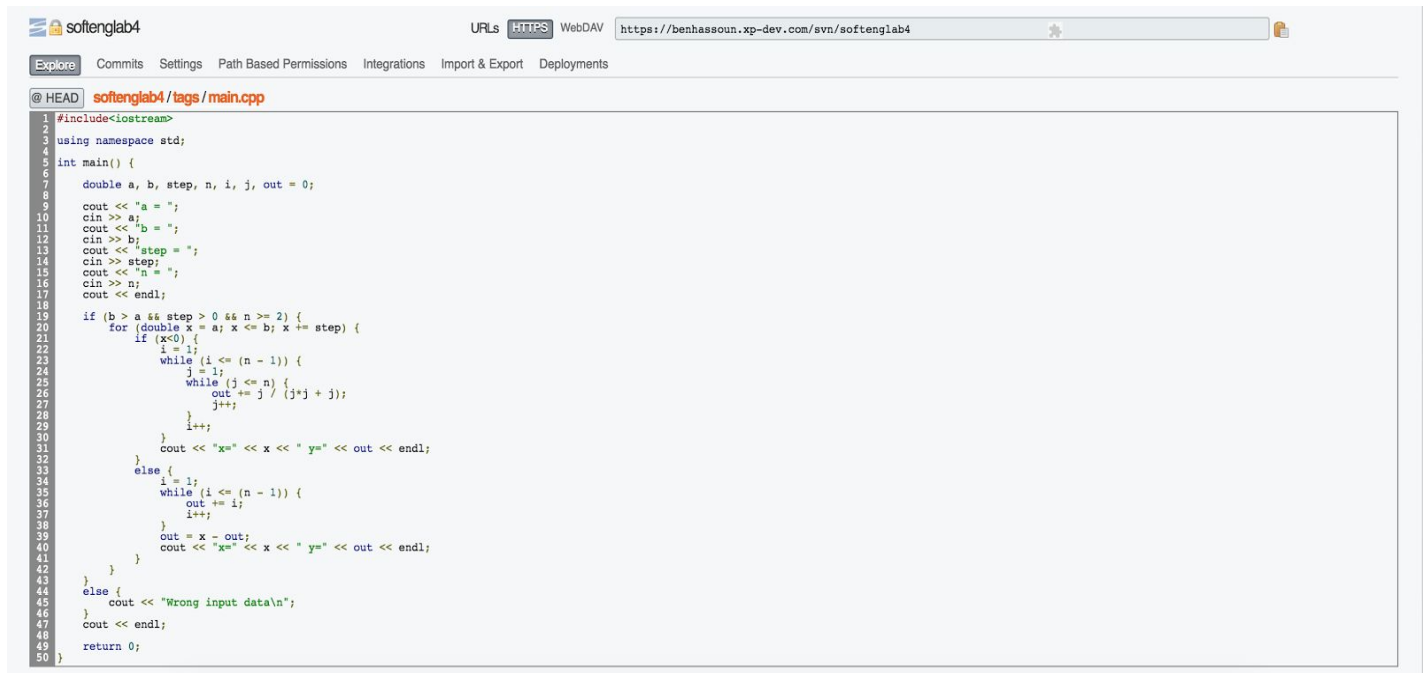
Save

Need assistance? [Get in touch](#), or head to our [documentation](#) site.

7. Create svn repository



8. Upload your own code to the repository



The screenshot shows a web browser window with the URL `https://benhassoun.xp-dev.com/svn/softenglab4`. The page title is "softenglab4". The browser's address bar shows the URL. The page has a navigation bar with links: "Explore", "Commits", "Settings", "Path Based Permissions", "Integrations", "Import & Export", and "Deployments". The main content area shows the code for the file `softenglab4/tags/main.cpp` at the HEAD revision. The code is a C++ program that calculates the Fibonacci sequence. It includes `<iostream>` and uses the `std` namespace. The `main` function takes five arguments: `a`, `b`, `step`, `n`, and `i`. It initializes `out` to 0. It then enters a loop that calculates the Fibonacci sequence up to `n` steps. The code uses nested loops and conditional statements to calculate the sequence. The output is printed to the console using `cout`.

```
1 #include<iostream>
2
3 using namespace std;
4
5 int main() {
6     double a, b, step, n, i, j, out = 0;
7
8     cout << "a = ";
9     cin >> a;
10    cout << "b = ";
11    cin >> b;
12    cout << "step = ";
13    cin >> step;
14    cout << "n = ";
15    cin >> n;
16    cout << endl;
17
18    if (b > a && step > 0 && n >= 2) {
19        for (double x = a; x <= b; x += step) {
20            if (x < 0) {
21                i = 1;
22                while (i <= (n - 1)) {
23                    j = 1;
24                    while (j <= n) {
25                        out += j / (j*j + j);
26                        j++;
27                    }
28                    i++;
29                }
30                cout << "x=" << x << " y=" << out << endl;
31            }
32            else {
33                i = 1;
34                while (i <= (n - 1)) {
35                    out += i;
36                    i++;
37                }
38                out = x - out;
39                cout << "x=" << x << " y=" << out << endl;
40            }
41        }
42    }
43    else {
44        cout << "Wrong input data\n";
45    }
46    cout << endl;
47    return 0;
48 }
49
50 }
```

Conclusion : during this lab I have learned basic experience and knowledge to work with project tracking system.