**Bytexl’s guided projects**

**Students’ User Guide**

**Build job relevant skill sets by developing solutions to practical use cases**

Bytexl’s educators have created specialized guided projects so you can practice current technology languages / softwares such as Core Java & GitHub.

In about 20 hours you can build a project enhancing your job relevant skills as your educator guides through with a specially created hands-on experience available on Bytexl’s app.

INSTRUCTIONS FOR STUDENTS:

About the project:

A fictional Estonian-UK company, Vara, wants to develop an app that allows a university to manage its accommodation. This year the company has made the decision to build their own Student Hall app. The StudentHall app can register students in a student hall and maintain information on the number of students registered to a hall and if they are on the premises. It will also help the Student Hall cleaning team.

This coursework focuses on the classes required to support the app. It is not concerned with building a graphical front end. All interaction and testing will be carried out in a console front end. The coursework is broken down into several tasks, each with accompanying testing. The testing will be used by the assessors to evaluate functionality. The coursework must be developed as a single project.

Prerequisites: Core Java Programming Language and GitHub.

Skills you will practice: Core Java Programming Skills.

How to execute? Your learning platform:

Practice new skills by completing job-related tasks

No downloads or installation required. Use your Nimbus access to access all the tools.

Practice on your desktop or laptop. This cannot be developed on your mobile phones.

Use Nimbus on Bytexl’s platform:

Learn, practice and enhance job relevant skills in just 20 hours

* + - * + Receive detailed instructions from instructors
        + Gain hands-on experience solving real-world case studies
        + Enhance your confidence with solutions developed on Nimbus using the latest tools and technologies

Learn step-by-step:

In this guided project, you will find your educator giving you a walk-through to complete your project in 20 hours.

Structure for educators:

How to create the use cases for students to practice?

Instructions:

Welcome to Student Hall App Project. This is a guided project which will take about 20 hours to complete.

Here are the course objectives and structure:

Course Objectives:

In this project we will focus on the following objectives:

This coursework focuses on the classes required to support the app. It is not concerned with building a graphical front end. All interaction and testing will be carried out in a console front end.

By the end of this project you will be able to develop a Core Java project. You will deploy the project on the Nimbus Platform using Core Java platform.

Project structure:

The hands on project on Student Hall App  is divided into following tasks:

Task 1: Code Student POJO Class

Task 2: Code and Run StudentTest class

Task 3: Code StudentHall class

Task 4: Code and Run StudentHallTest class

Meet your educator: Nakul H Y for further information and guidance and about the Nimbus Platform and the tools required for this project:

Quiz Questions :

Include 5 MCQs with answers highlighted

Earn a Certificate: After you have completed the **Student Hall App** hands-on project, you should

upload your code for it to be assessed

complete the Quiz to assess your knowledge.

You will earn a certificate if you score 80 % or more.