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| [Onboarding] Initial gather-up | General onboarding (presentation) - What is important to become successful developer |
| [Training] Java internals | Java internals (discussion)  - native VS managed code  - virtual machine, byte code, .java and .class files, jre, jar files  - vm arguments, main method  - simple application, code compilation, passing parameters |
| [Training] Introduction to GIT | [Working with GIT](https://www.cheatography.com/woshijpf/cheat-sheets/git-command/) (demo)  - the distributed architecture of GIT  - [credentials](https://inchoo.net/dev-talk/how-to-generate-ssh-keys-for-git-authorization/)/[setup certificate](https://docs.gitlab.com/ee/gitlab-basics/create-your-ssh-keys.html)  - clone, status, pull, push, commit, add, checkout,  - branches, working with remote nodes, merge  - resolving conflicts |
| [Training] Code layering | Code layering (discussion)  - why is structure important  - high quality code - [readability, maintainability, stability](https://www.mediawiki.org/wiki/Code_Health)  - configuring [multiple project](https://www.baeldung.com/maven-multi-module) structure with [Maven](https://app.pluralsight.com/library/courses/maven-fundamentals/table-of-contents)  - how to separate our application into reusable modules  - [SOLID](https://app.pluralsight.com/library/courses/solid-software-design-principles-java/table-of-contents) in action  - bootstrap project demo  - introduction to IntelliJ  - High quality code cheatsheet introduction  - [Software development methodologies](https://www.amazon.de/s?k=Software+Methodologies%3A+A+Quantitative+Guide&ref=nb_sb_noss)  - Readability  - Maintainability and stability |
| [Project] To Do application (1 week) | Covered tech (discussion&demo)  - Stream API  - DateTime API  - Files - input/output streams  - Working with JSON and XML  - Collections (Lists/Sets)  - Logging (logback)  - Exceptions handling |

Learning materials:

Java internals: [up until Adopting Java (включително)](https://app.pluralsight.com/library/courses/modern-java-big-picture/table-of-contents)

Git: <https://app.pluralsight.com/library/courses/git-getting-started/table-of-contents>

Project: [Project description](https://scalefocus-my.sharepoint.com/:b:/r/personal/gavril_tonev_upnetix_com/Documents/ScaleFocus%20Academy/Shared/2.%20Learning%20Materials/Burgas%20Academy%201/Java%20Tech%20Track/Handouts/week-1/Documents/2020-todo-application.pdf?csf=1&e=zWNJjW)