#micro-learning

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| **TOPİC** | **EXPLANATION** |
| CPU | The Central Processing Unit (CPU) is the brain of the computer. It reads the data from the memory, processes and writes the output back in the memory. It controls all the software and hardware properties. |
| HTML element | HTML is composed of elements. HTML uses these elements to describe the structure of pages. A tag and the content between it is called an HTML element. Elements are usually made up of two tags: An opening tag and a closing tag. |
| computer | A computer is an electronic device that can come up with four tasks. These tasks are receiving input, storing, processing and giving output. |
| SDLC | The  Software Development Life Cycle (SDLC) is a process that is used to develop software. SDLC is a step by step procedure need to be followed by the organization to design and develop a high-quality product. |
| HTML | HTML stands for HyperText Markup Language. HTML is a markup language used to create documents on the web. It describes the structure and layout of a web page. |
| Jira | Jira is a tool developed to help teams for project management, bug tracking, and issue tracking. In simple terms, it is an issue tracker. It is web-based and licensed product created by Australian Company Atlassian. |
| Hardware and Software | Computers have two main parts: Hardware and Software. "Hardware" refers to the physical parts of the computer, and "software" refers to the code that runs on the computer. |
| The SDLC phases | The SDLC process consists essentially of the following phases: 1- Requirement Phase 2- Design Phase 3- Build/Development Phase 4- Testing Phase 5- Deployment/Deliver Phase 6- Maintenance |
| CSS | CSS stands for Cascading Style Sheets. CSS helps HTML elements how to be displayed on the web. CSS files the external style sheets which consists of the styles for HTML file. |
| Agile | Agile provides a light framework for development teams. That helps them focus on fast delivery while maintaining functionality. In Agile, the product development life cycle is divided into small components (called iterations), so the product can be easily and rapidly developed and tested. In this way, changes can be made without having to wait for the final product. |
| HTML | As the fundamental language of the world wide web (www) , HTML is a very evolving markup language and has gone through several changes since its inception. The last version is HTML5, released in 2014. |
| Computational thinking | Computational thinking is the thought processes involved in formulating a problem and expressing its solution(s) in such a way that a computer -human or machine- can effectively carry out. (Wing, 2014) |
| The SDLC phases | The requirement is the first and the most critical phase of SDLC for both the developing team and the project manager. During this phase, the client specifies requirements, specifications, expectations and any other special requirement related to the product or software. The business manager or project manager gathers all of this information and also prerequisites. |
| **TOPİC** | **EXPLANATION** |
| LINUX | Linux is a family of open source Unix-like operating systems based on the Linux kernel, an operating system kernel first released on September 17, 1991, by Linus Torvalds. Linux is typically packaged in a Linux distribution. |
| AGILE | The agile method provides that the product is optimized throughout the development process by using iterative planning and getting feedback.  The project is measured and evaluated throughout the process to easily adapt to changing needs. Measurement and evaluation provide accurate and early visibility into the development of each project. |
| JIRA | Depending on how a team uses Jira, an issue can represent followings: Project task, Feature, Help-desk ticket, Leave request form, Enhancement, Software bug |
| CPU | The CPU has two main parts . One is Arithmetic/Logic Unit and the other one is the Control Unit. Control Unit controls the actions of all other components, whereas the Arithmetic/Logic Unit makes the logical and arithmetic computations which are addition, subtraction, multiplication, division and comparisons. |
| JIRA | Depending on how a team uses Jira, an issue can represent followings: Project task, Feature, Help-desk ticket, Leave request form, Enhancement, Software bug |
| CSS | CSS is used to style your web pages. Using CSS you will be able to put out pages with much less work, that load much faster, and will be easy to update and print! |
| SRS | SRS (Software Requirement Specification) "SRS is a detailed description of a software system to be developed with requirements. The SRS is developed based on the agreement between customers and contractors. It may include the use cases of how a user is going to interact with a software system. " |
| CF | Transistor regulates current or voltage flow and acts as a switch or gate for electronic signals. Physically, a CPU is a collection of millions of transistors which are like tiny electric switches. For example, Intel i7 processor would have roughly 2.1 billion transistors. |
| LINUX | Linux is an open source operating system (OS). An operating system is the software that directly  manages a system’s hardware and resources, like CPU, memory, and storage. |
| Computational thinking | Pseudocode is an informal high-level description of a computer program or algorithm. It is written in symbolic code which must be translated into a programming language before it can be executed. |
| GIT | $ git init command is used to start a new local repository. $ git add filename command adds a file to the staging area. $ git commit -m “[commit message]” command commits the added file. $ git branch [branch name] command creates new branch. $ git checkout [branch name] command is used to switch from one branch to another. $ git merge [branch name] command merges the specified branch’s history into the current branch. $ git push [variable name] master command sends the committed changes of master branch to your remote repository. $ git pull [Repository Link] command fetches and merges changes on the remote server to your working directory. |