

Concept Breakdown

1. words I know

Technical Term: Algorithm

Definition: A step-by-step Procedure or Formula for solving a Problem.

Learner's Breakdown:

Words I know: Procedure, or, formula, solving, a, Problem.

New words to learn: For (Para), step-by-step (Paso a Paso).

Technical term: API

Definition: it is a set of rules and tools that allows different Programs to communicate and interact with each other.

Learner's Breakdown:

words I know: it, is, a, of, and, different, Programs, communicate, interact.

New words to learn: rules (normas), tools (herramientas), allows (Permite),

that (que), with (con), each (cada), other (otra).

Technical term: Bug

Definition: An error, Flaw, or Fault in a Software Program that causes it to Procedure incorrect or unexpected results.

Learner's Breakdown:

words I know: An, error, in, a, software, Program, that, causes, it, Procedure, incorrect, results, or.

New words to learn: Flaw (defecto), Fault (falla), to (a), unexpected (inesperada).

Technical term: Debugging

Definition: the Process of identifying, analyzing, and fixing bugs or defects in software code.

Learner's Breakdown:

words I know: the, Process, or, identifying, analyzing, and, bugs, or, defects, in, software, code.

New words to learn: Fixing (Fijación).

Technical term: Code refactoring

Definition: the Process of restructuring existing computer code without changing its external behavior to improve its readability, structure, or maintainability.

Learner's Breakdown:

Words I know: the, process, of, restructuring, existing, computer, code, its, to, readability, structure, or.

New words to learn: maintainability (mantenibilidad), without (sin).

Technical term: Database management system.

Definition: Software that manages database and allows users to create, retrieve, update, and delete data within a database.

Learner's Breakdown:

Words I know: Software, manages, database, and, users, create, update, delete, data, a.

New words to learn: that (que), allows (permite), retrieve (recuperar), within (dentro).

Technical term: Dependency

Definition: A relationship between software components where one component relies on another to function correctly.

Learner's Breakdown:

Words I know: A, relationship, software, components, correctly, function, to.

New words to learn: where (donde), one (una), relies (se basa), another (otra).

Technical term: Framework

Definition: A set of tools, libraries, and best practices that provide a foundation for developing software applications.

Learner's Breakdown:

Words I know: A, of, libraries, and, practices, developing, software, applications, for

New words to learn: best (la mejor), that (que), provide (proporcionar), foundation (base), tools (herramientas).

Technical term: integration testing

Definition: The Phase of software testing where individual software modules are combined and tested as a group to ensure they work together.

Learner's Breakdown:

Words I know: the, software, testing, individual, modules, are, combined, and, tested, as, a, group, to, they, work.

New words to learn: ensure (asegurar), Phase (Fase), where (donde).

Technical term: Object-Oriented Programming

Definition: A Programming Paradigm based on the concept of "objects", which can contain data and methods, and interact with each other to design applications.

Learner's Breakdown:

Words I know: A, Programming, based, on, the, concept, of, objects, can contain, data, and, methods, interact, to, design, applications.

New words to learn: Paradigm (Paradigma), which (cual), with (con), each (cada), other (otro).

Technical term: Scrum

Definition: An agile Framework for managing and completing complex Projects by dividing them into smaller, manageable tasks called sprints.

Learner's Breakdown:

Words I know: An, agile, Framework, for, managing, and, completing, Projects, dividing, manageable.

New words to learn: complex (compleja), by (por), them (ellos), into (en), smaller (más pequeños), tasks (tareas), called (llamadas).

Technical term: user interface

Definition: the space where interactions between humans and machines occur, encompassing the design and layout of the software's visual elements.

Learner's Breakdown:

Words I know: the, space, interactions, humans, and, machines, of, software's, visual, elements.

New words to learn: where (donde), between (entre), occur (ocurrir), encompassing (abarcando), layout (disposición).

Technical term: version control

Definition: A system that manages changes to source code over time, allowing multiple developers to work on a project simultaneously and track revisions.

Learner's Breakdown:

Words I know: A system, manages, to, code, over, time, multiple, developers, work, on, a, project, simultaneously, and, track, revisions.

New words to learn: allowing (permitiendo).

Technical term: web service

Definition: A standardized way of providing and consuming services over the web, often using protocols like HTTP and formats like XML or JSON.

Learner's Breakdown:

Words I know: A, standardized, of, providing, and, consuming, services, the, web, using, protocols, like, HTTP, formats, XML or JSON.

New words to learn: way (forma), over (encima), often (a menudo).

Technical term: unit testing

Definition: A software testing method where individual units or components of a software application are tested in isolation from other components.

Learner's Breakdown:

Words I know: A, software, testing, method, where, individual, units, or, components, of, application, are, in, from, other, components.

New words to learn: tested (probado), isolation (aislamiento).

Palabras que no se. (New words to learn)

Technical term: Software Development life cycle (SDLC)

Definition: A structured approach to software development that includes stages such as planning, analysis, design, implementation, testing, and maintenance.

Learner's Breakdown:

Words I know: A, structured, to, software, development, planning, analysis, design, implementation, testing, and, maintenance.

New words to learn: that (Esa), includes (incluye), stages (etapas), such (semejante), as (como).

Technical term: workflow

Definition: A sequence of tasks and processes through which work passes from initiation to completion within a software application or system.

Learner's Breakdown:

Words I know: A, sequence, of, tasks, and, processes, work, from, initiation, to, completion, a, software, application, or, system.

New words to learn: through (a traves de), which (cual), passes (pases), within (dentro).

Technical term: XML (extensible markup language)

Definition: A markup language used to encode documents in a format that is both human-readable and machine-readable, commonly used for data interchange.

Learner's Breakdown:

Words I know: A, Markup, language, used, to, encode, documents, in, a, format, is, and, for, data, interchange.

New words to learn: that (Esa), both (ambas), human-readable (legible para humanos), machine-readable (legible para maquinas), commonly (comumente).

Technical term: Iterative Development

Definition: A software development process that involves repeating cycles or iterations of development, with each iteration improving on the previous one.

Learner's Breakdown:

Words I know: A software, development, process, repeating, cycles, or, iterations, of, on, the, previous, one.

New words to learn: that (Esa), involves (implica), with (con), each (cada) improving (mejorando).