COMPUTER NETWORKING A TOP DOWN APPROACH ANSWERS

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What is a Top-Down Approach in computer system? Top–down is a programming style, the mainstay of traditional procedural languages, in which design begins by specifying complex pieces and then dividing them into successively smaller pieces.

What is the top down network approach? Foundationally, the top-down approach requires thorough analysis and collaboration across the business to identify organizational needs and requirements. Only after these items are defined and captured can the tech be chosen.

Why is a packet that is received after its scheduled playout time considered lost? [2 pts] (2) Why is a packet that is received after its scheduled playout time considered lost? Answer: A packet that arrives after it scheduled playout time can not be played out due to the real-time constraint of the applications. Therefore, from application's perspective, the packet has been lost.

What is a hub in a computer network? In networking, a hub is a device that links multiple computers and devices together. Hubs can also be referred to as repeaters or concentrators, and they serve as the center of a local area network (LAN). In a hub, each connected device is on the same subnet and receives all data sent to the hub.

What is top-down approach with example? The top-down approach is defined as a system of management in which decisions, ideas, and designs flow from the top executive to the staff. For example, the CEO of a company may decide to implement a new incident reporting system.

How do you do a top-down approach?

Who uses top-down approach? Top-Down: This approach works well in organizations that value structure, clear authority lines, and predictable outcomes. Traditional corporations, governmental organizations, and military setups often benefit from it.

What is the top-down process? Top-down processing refers to how our brains make use of information that has already been brought into the brain by one or more of the sensory systems. Top-down processing is a cognitive process that initiates with our thoughts, which flow down to lower-level functions, such as the senses.

What is the new top-down approach? The Top-Down Approach: Vision-Driven Leadership In this system, senior executives and leaders craft goals, policies, and strategies that they then cascade through the organization. It's driven by visionary leadership, aimed at fostering unity and ensuring that everyone moves in the same direction.

What are the 4 types of packet delay? In packet switched networks, there are four types of commonly identified delays – processing, queuing, transmission and propagation delays. Processing delay is the CPU cycles needed to look at the packet headers and decide what to do with the packet, and do it – basically the time needed to process the packet.

What is a common cause of out-of-order packets? Out-of-order delivery can be caused by packets following multiple paths through a network, by lower-layer retransmission procedures (such as automatic repeat request), or via parallel processing paths within network equipment that are not designed to ensure that packet ordering is preserved.

What happens if a packet goes missing? 6.5 Calculating Packet Loss In the event of packet loss, the receiver asks for retransmission or the sender automatically resends any segments that have not been acknowledged. Although TCP can recover from packet loss, retransmitting missing packets causes the throughput of the connection to decrease.

What is difference between router and hub? Router transfers data in the form of packet. Hub transmits data in the form of electric signals or bits. Router is very sophisticated device and widely used. Hub is simply primitive type of device and is not generally used.

What is the difference between a router and a gateway? A router is a networking layer Technology that May be used to manage and forward data packets into different computer networks. A gateway is something quite distinct. It is simply hardware or a gadget that acts as a Gateway between many networks. It also serves as a node that connects to other networks.

What is the difference between a bridge and a repeater? A bridge is like a road that connects two towns. It lets cars (in our case, data) travel from one place to another. Whereas a repeater is like a loudspeaker that makes a message louder. It boosts a network signal so it can reach farther.

How do you identify top-down approach? The top-down approach to management is a strategy in which the decision-making process occurs at the highest level and is then communicated to the rest of the team. This style can be applied at the project, team, or even the company level, and can be adjusted according to the particular group's needs.

What are the problems with top-down approach? Of course, there are also some downfalls to the top-down approach: Limited Creativity: Employees are siloed in their responsibilities and are unable to contribute to the overall goals of the company — sometimes leading to frustration and a lack of motivation to perform.

What does top-down approach include? 1. : to take in or comprise as a part of a whole or group. 2. : to contain between or within. two sides and the included angle.

What is an example of a top-down approach? A good example of how a top-down approach works is a healthcare organization. Multiple teams work together, limited by regulations. The stakes are high, so directions come from executives. Alignment among teams is critical.

What is the top-down approach in programming? It refers to a style of programming where an application is constructed starting with a high-level

description of what it is supposed to do, and breaking the specification down into simpler and simpler pieces, until a level has been reached that corresponds to the primitives of the programming language to be used.

What are the steps of top-down? Answer: The key steps in the top-down design process include: 1) Identifying and defining the problem, 2) Breaking the problem into smaller subproblems, 3) Defining components for each subproblem, 4) Developing a high-level structure of the systems, 5) Refining each subproblem, 6) Implementing each component, 7) ...

What is top-down approach in information system? The 'Top-Down Approach' in computer science refers to a method where the analyst begins with a broad enterprise-wide process, such as car rental, and then breaks it down into more detailed processes step by step.

What is the difference between top down and bottom up approach in computer? Top down design starts with the general concept and repeatedly breaks it down into its component parts. Bottom up program design starts with component parts and repeatedly merges them into the general concept.

What is top-down view in operating system? In the top-down model, an overview of the system is formulated without going into detail for any part of it. Each part of it then refined into more details, defining it in yet more details until the entire specification is detailed enough to validate the model.

What is top-down approach processing? Top-down processing involves perceiving things based on your prior experiences and knowledge. In other words, you use what you already know to make sense of the new information you encounter. It refers to how our brain utilizes existing knowledge and expectations to interpret new sensory information.

What is object-oriented design and modelling through UML? Object-Oriented Design is a software development approach to design and implement software system as a collection of interacting stateful objects with specified structure and behavior.

What is object Modelling in UML? Object Modelling is the central technique in UML. It is a language independent notation allowing the specification of classes, their data or attributes(private) and methods (public), inheritance, and other more general relationships between classes.

Why use UML? It helps software developers visualize, construct, and document new software systems and blueprints. UML is used to create static structure diagrams based on a variety of engineering practices that have proven to be successful in the creation of complex systems.

Is UML only for OOP? UML is a combination of several object-oriented notations: Object-Oriented Design, Object Modeling Technique, and Object-Oriented Software Engineering. UML uses the strengths of these three approaches to present a more consistent methodology that's easier to use.

What are the three types of Modelling in UML? There are three types of modeling in UML such as Structural modeling, Behavioral modeling and Architectural modeling. The Structural modeling describes the static features of a system. The behavioral modeling defines the interaction within the system.

What are the benefits of object model in UML? UML can provide many benefits for object-oriented modeling, such as helping to visualize and understand the complexity of a system, by showing the objects, their attributes and behaviors, and their relationships and interactions.

What is UML modeling with examples? A typical UML model can consist of many different types of diagrams, with each diagram presenting a different view of the system that you are modeling. Some examples of UML 2.1 and later diagrams include use case diagrams, state diagrams, sequence and communication diagrams, and topic and browse diagrams.

What is the purpose of modeling in UML? We build models to communicate the desired structure and behavior of our system. We build models to visualize and control the system's architecture. We build models to better understand the system we are building, often exposing opportunities for simplification and reuse. And we build models to manage risk."

What is the goal of the UML? The primary goals in the design of the UML are: 1) Provide users with a ready-to-use expressive visual modeling language so that they can develop and exchange meaningful models. 2) Provide extensibility and specialisation mechanisms to extend the core concepts.

How does UML work? UML - Unified Modeling Language utilizes text and graphic documents to enhance the analysis and design of software projects by allowing more cohesive relationships between objects. Use Case: In a Use Case Diagram, represents an action that the system takes in response to some request from an Actor.

Is UML a programming language? UML, or Unified Modeling Language, is a visual modeling language that helps software developers visualize and construct new systems. It's not a programming language — it's a set of rules specifically for drawing diagrams.

What are the three ways to apply UML?

Why no one uses UML? The UML is Not Sufficient Each model has its strengths and weaknesses, therefore no single model is sufficient for all of your software development needs. Although the UML is in fact quite robust, the reality is that it isn't sufficient for your modeling needs.

Which UML is most used? Class diagram Because a lot of software is based on object-oriented programming, where developers define types of functions that can be used, class diagrams are the most commonly used type of UML diagram.

Is UML used today? Some parts of UML are still used - for instance I have used 'Use Case Diagrams' to illustrate the external interfaces of a system. I have also used ERD and class diagrams where appropriate. Of course state transition diagrams and protocol diagrams continue to be useful.

What is meant by object-oriented Modelling? Object-oriented modeling (OOM) is an approach to modeling an application that is used at the beginning of the software life cycle when using an object-oriented approach to software development.

What is object-oriented system development methodology in UML? ? Object oriented systems development methodology develops software by building objects. that can be easily replaced , modified and reused. ? It is a system of cooperative and collaborating objects. ? Each objects has attributes (data) and methods (functions).

What is object-oriented design and structured design? Object-oriented analysis and design (OOAD) is a popular approach to software development that focuses on the concepts of objects, classes, and inheritance. Structured analysis and design (SAD) is a traditional approach that relies on the concepts of functions, data flows, and hierarchies.

What is visual modeling in UML? A visual model describes a complete system from a specific perspective for a better understanding of the system. A standard modeling language such as the Unified Modeling Language (UML) may be used to represent a proposed system by means of a series of diagrams each representing a different view of the system.

How much lifting capacity does a Kobelco sk70sr have? Kobelco produces one of the most diverse crawler crane lines, and their current line incorporates cranes with a maximum lifting capacity of 600 tons.

Who makes Kobelco excavators? Kobelco has a long heritage spanning more than 80 years. Its parent company, Kobe Steel Ltd., built Japan's first construction machine in 1930. The 50K electric mining shovel paved the way for all future Kobelco construction machinery and set the tone for decades of pioneering technological developments.

How much can a 7000 lb excavator lift? 7,000-8,999 lbs. Mini-Excavator, ROPS for loading high-sided trucks. The boom accepts many attachments and can lift loads of up to 2866 lbs. in the straight-ahead position.

How do you calculate excavator lifting capacity? Determine your lift point height by considering how high you will need to lift your load. Determine the lifting radius from the centerline of the swing point. Then, find on the chart the cell where the lift point height and lifting radius intersect. The number you find in the cell is the rated lift capacity.

Is KOBELCO a good excavator? While with Kobelco, their excavators are high quality, however some parts and components are sourced elsewhere. This may not be a huge deal, but it's worth pointing out for any future maintenance or breakdown servicing requirements.

Are KOBELCO excavators made in China? Chengdu Kobelco Construction Machinery Co., Ltd. is established as an excavator manufacturing and sales company in China.

What is the best excavator brand in the world?

Is 7000 hours a lot for an excavator? EXCAVATORS Typically 7,000 to 10,000 hours before replacement is needed. Major repairs likely required especially to undercarriage and tracks.

Can you lift an excavator with a crane? The process to lift an excavator will include: Setting up the rental crane on secure ground (this may include geotechnical engineering) Preparing the excavator to be hoisted with rigging. Securing rigging to anchor points on all sides of the excavator.

How much can excavator move per hour? In general, the capacity of an excavator can range from a few cubic yards per hour to several cubic meters per hour, depending on the size of the machine, the size of the bucket, and the type of material being excavated.

What is the tipping point of an excavator? As for "tipping point", it's that point where the combination of load, reach, and orientation are exceeded.

Can a mini excavator lift? Mini excavators are versatile machines engineered to excel in a multitude of tasks, and lifting heavy objects is among their primary functions.

How much can a 3 ton excavator lift? This Kubota KX027 3t digger can lift approximately 1.4t in its optimum boom position.

Who bought KOBELCO? Takeuchi has agreed to purchase the former KOBELCO plant in Moore, South Carolina, for $34.35 million. Nikkei Asia reports that Takeuchi

expects the deal to boost its production capacity for the U.S. market by about 40 percent.

What engines does KOBELCO use? The Mitsubishi Fuso 6D16 engine is used in many different types of KOBELCO excavators.

Are New Holland and KOBELCO the same? Fiat acquired O&K, a construction equipment manufacturer based in Germany, in 1998, and partnered with Kobelco in 2002 to develop crawler excavator technologies. In 2005, Fiat, Fiat-Allis, Fiat-Kobelco, New Holland, and O&K merged into one group under the New Holland Construction label.

Why is KOBELCO yellow in USA? The continued use of the yellow color scheme was a strategic move, reflecting a blend of market familiarity and dealer preference, ensuring a smoother transition in a market already accustomed to the yellow KOBELCO machines. This is basically why KOBELCO is yellow in the US, contrary to its signature blue elsewhere.

Are Komatsu and KOBELCO the same? Both Komatsu & Kobelco have unique and different specifications. Both these excavators are beautifully designed and are of great use. Komatsu provides good maintenance and is more cost-effective whereas Kobelco is a great machine that will go the distance.

What is the meaning of KOBELCO? KOBELCO is the unified brand name of the Kobe Steel Group. The Kobe Steel Group offers distinctive, trustworthy products and technologies in a wide variety of fields, including iron and steel, welding, aluminum and copper, machinery, engineering, construction machinery and electric power.

What excavator has the best resale value? Volvo took the top ranking with its L250H in the large wheel loader category with a 71.13% 5-year-residual. The company's larger crawler excavators, specifically the EC380E, earned a top spot as well, with a 66.31% 5-year residual value.

What is the most popular excavator size? Standard excavators, falling within the 10 to 45-ton weight class, are the most commonly seen on construction sites. These versatile machines can handle a wide range of tasks and are suitable for various applications.

Which excavators are made in the USA? Excavator Manufacturers In USA Apart from Caterpillar and John Deere, there are many other local brands of excavator in the United States, for instance, Terex, Bobcat, JLG, etc.

What is the spec of the Kobelco sk70? The Kobelco SK 70 SR is a crawler excavator manufactured from 1998 to 2003. It weighs 7.4 tons and has a transport length of 6.22 meters, a transport width of 2.47 meters, and a transport height of 2.6 meters. The bucket width is 0.914 meters and the track width is 450 horsepower.

What is the lift capacity of the Kobelco SK170LC? KOBELCO has engineered the SK170LC-11, one of their new Generation-11 excavators, to deliver greater efficiency and productivity. Equipped with a powerful Yanmar Tier IV Final compliant engine producing 123 hp, this machine is capable of a remarkable 28,300 lbf of digging force and a lifting capacity of 9,640 lbs.

What is the lifting capacity of a backhoe loader? While the lifting capacities of backhoe loaders vary depending on the model and manufacturer, it is common to see lifting capacities ranging from approximately 1,000 to 6,000 pounds (450 to 2,700 kilograms).

What is the lifting capacity of a 4 ton excavator? The KX040 is classed as a 4-Ton mini excavator. This machine has a max digging depth of approximately 11? 3? and a lifting capacity over the front of 4,080 lbs at a 2ft load point height and 8ft load radius. Depending on variables the machine weight range is from 9,195 lbs to 10,210 lbs.

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What is Kobelco largest excavator? The SK850LC is Kobelco's largest production-class excavator and features cutting-edge power and efficiency capabilities.

What is the capacity of hydraulic lift? High-capacity hydraulic lift tables are heavy-duty tools capable of lifting loads up to 60 tons, with lifting heights ranging from 52 to 92 inches. They feature platforms varying from 4' by 6' to 10' by 22', with options for custom larger platforms.

How much hydraulic pressure does an excavator have? This engine drives a pair of pumps with up to 150 gallons per minute flow rate delivered at a pressure of 4,500 psi. The pumps hydraulic pistons have 5.5-inch diameter faces and 4-inch diameter shafts. Each shafts hydraulic motor can operate at 10–12 revolutions per minute (rpm).

Can a backhoe lift a septic tank? below grade can be as much as 15%; more than 400 lbs. for a common 14-ft. backhoe. "You can lift a septic tank off the truck with no trouble at all," says Katie Pullen, brand marketing manager for Case backhoe loaders, noting that the boom will be raised high to unload the truck.

How many hours is a lot for a backhoe? Backhoe Loader After about 6,000 hours, 20% of engines in 14-15-foot loaders required a major repair or replacement. Typically, by 8,500 hours, 50% of the components in a backhoe loader have reached their end and fail within 3,500 hours.

What is the difference between a backhoe and an excavator? The main difference between the two machines is size — excavators are larger and heavier, while backhoes are slightly smaller. The excavator is typically a better fit for demolition projects, mining, driving piles, drilling shafts for rock blasting, and overall large-scale industrial projects.

How much can a 5 ton excavator lift capacity? The Kubota excavators can lift from 480kg to 1.5t depending on the position of the boom and arm.

How much can a 20 ton excavator lift? A STRONG AND DURABLE EXCAVATOR It was designed primarily for customers who need a light- to medium-duty digging excavator. The EC200E has a maximum digging reach of 32 feet 9 inches and a maximum digging depth of 22 feet 3 inches, with a lifting capacity of 16,138 pounds.

How is excavator capacity calculated? First, determine the bucket length (in). Next, determine the bucket width (in). Next, determine the bucket height (in). Finally, gather the formula from above = LBC = L/12 * W/12 * H/12.

What is the secret sauce in business strategy? Expertise, efficiency, etc., are what help lead to such results. These efforts and investments can create "Secret Sauce" of the business – that particular expertise and knowledge that, when implemented in the operation of the business, produces a competitive advantage.

Is growth hacking still a thing? Growth hacking is an outdated term, but the concept still remains useful. Using creativity to quickly grow your company with a small budget is never a bad idea. However, to stay relevant in the long term, you should mix your quick-growth efforts with brand-building and longer-term marketing channels like SEO.

What are the 4 stages of growth hacking?

What is my secret sauce? Your secret sauce, that thing you do so well and that comes easily to you, is often overlooked. Business books tell you to figure out what sets you apart and capitalize on that, but you don't recognize it for yourself because you are too close to it, making it hard to put your finger on it.

Why is secret sauce called secret sauce? As for the widespread use of the terms "secret sauce" and "special sauce," there's no definitive origin. In-N-Out Burger boasts that its Spread has been made with the same recipe since 1948, establishing it as one of the earliest signature sauces for a chain.

What is CFA secret sauce? Schweser's Secret Sauce® provides insights and exam tips on how to effectively prepare and apply your knowledge on exam day. The first portion of this book offers concise, readable explanations of the major parts of the CFA Program curriculum by Schweser's team of expert authors.

Who is the most famous growth hacker?

Who is the father of growth hacking? Another is that Sean Ellis, the person who coined the term "growth hacking" back in 2010, shaped growth strategies at the two companies. As Dropbox's first marketer, Ellis was part of the brains behind the firm's

breakout referral program.

What is the new term for growth hacking? Others have argued that growth hacking is just traditional marketing given a new and fancy name. Due to these and other critiques, some growth professionals have started calling themselves "growth marketers" in order to distance themselves from negative connotations of the term "hacking."

What is the life of a growth hacker? A growth hacker is someone who iteratively tests and optimizes various user activation, marketing or product strategies to grow a business, often a fast-growing tech startup. Growth hackers use data-driven tactics to improve the metrics tied to business growth.

Is growth hacking a skill? A career as a Growth Hacker is at the forefront of the digital and business growth landscape. It's a fusion of creative marketing, data analysis, and technical skills. As the growth catalysts of an organization, a Growth Hacker is tasked with identifying the most effective ways to grow a business.

What is a growth hacker mindset? Origin of Growth Hacking Who is knowledgeable about technology, data, and marketing and has the ability to: Adapt themselves quickly to the latest technological developments. Putting speed before perfection. Be open to other problems and other solutions. Make decisions based on data rather than gut feeling.

Does Chick Fil A have a secret sauce?

How to answer what is your secret sauce? Take a few minutes right now and make a list of all of the things that make you stand out. In addition, look through your testimonials and recommendations and see if you can find a common theme. Once you've got your list, go through it and identify the core benefit that differentiates you.

What is top secret sauce? A creamy aioli made with dynamite sparks of chili powder, subtle mustard, and garlic that's good on everything. Put it on burgers, fries, and grilled veggies for a funky flavor twist.

What is secret sauce in marketing? The secret sauce of successful marketing is the message. It must command the attention of its target audience, get them to think and feel something – and ultimately like, trust and do business with your firm.

What is the secret sauce of an organization? A positive company culture is like a secret sauce that makes work more enjoyable and fulfilling, regardless of your level or position.

What is a special sauce in business? Meaning of secret sauce in English a special quality that makes something successful : The secret sauce for "going viral" is still a mystery. The company is going to need some secret sauce to make the takeover work. Not protecting intellectual property can lead to someone else stealing a company's secret sauce.

What is the secret sauce for managing employees?

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