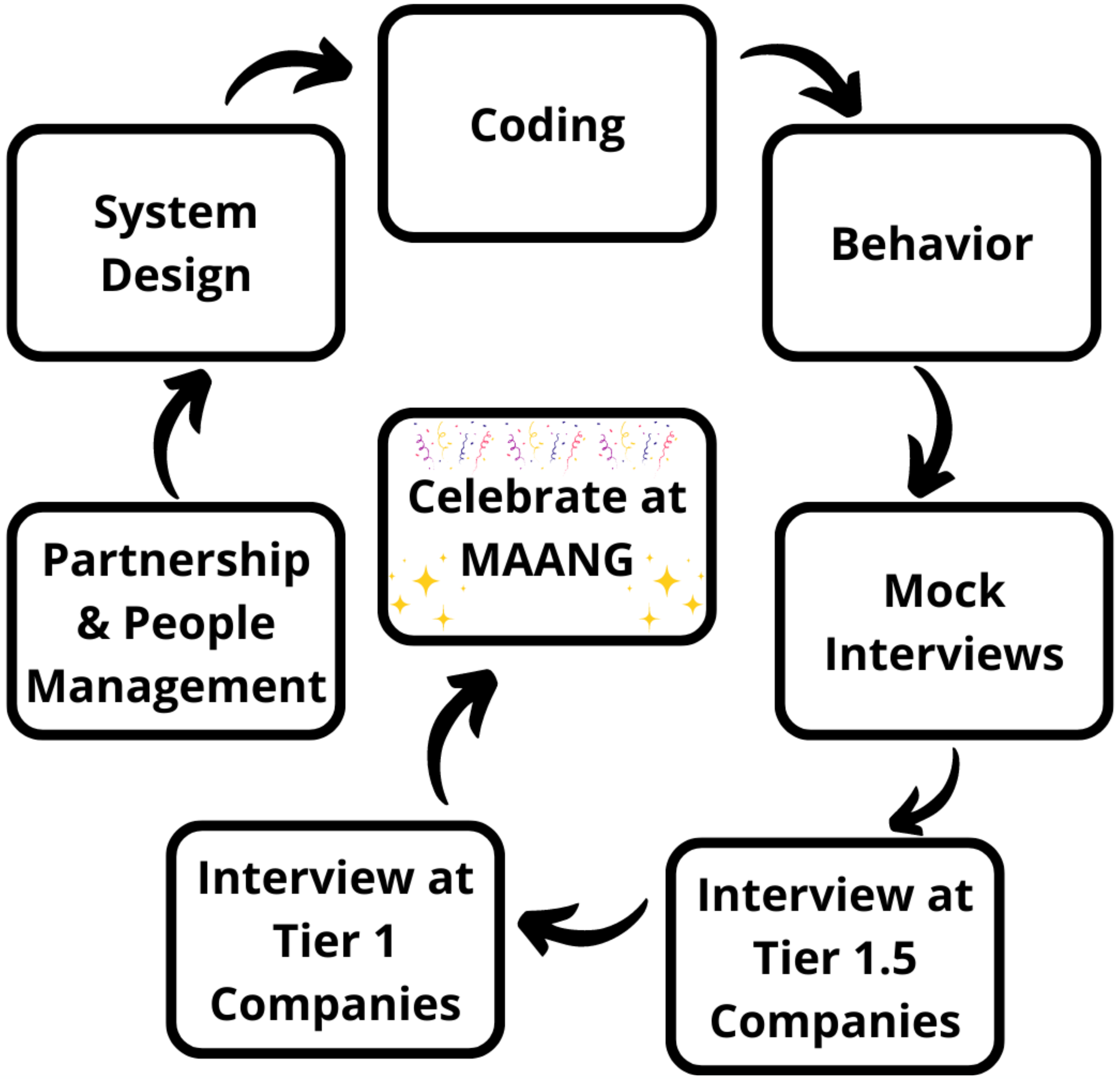
InterviewHelp

FOR SOFTWARE DEVELOPMENT MANAGERS

HOW TO 2X - 3X YOUR CURRENT SALARY THROUGH A RESEARCH PROVEN METHOD

HOW TO PREPARE ?



Coding

Behavior

Mock Interviews

Interview at Tier 1.5 Companies

Interview at Tier 1 Companies

Celebrate at MAANG

Partnership & People Management

System Design

WHY CHOOSE MAANG ?

Pride working at prestigious organization

Better compensation and work culture

PREPARATION STRATEGY TO LAND A JOB AT

1

PARTNERSHIP & PEOPLE MANAGEMENT

PARTNERSHIP & PEOPLE MANAGEMENT

ACCOUNTABILITY

ACCOUNTABILITY WORKSTYLE

MISSED DEADLINE ACCOUNTABILITY

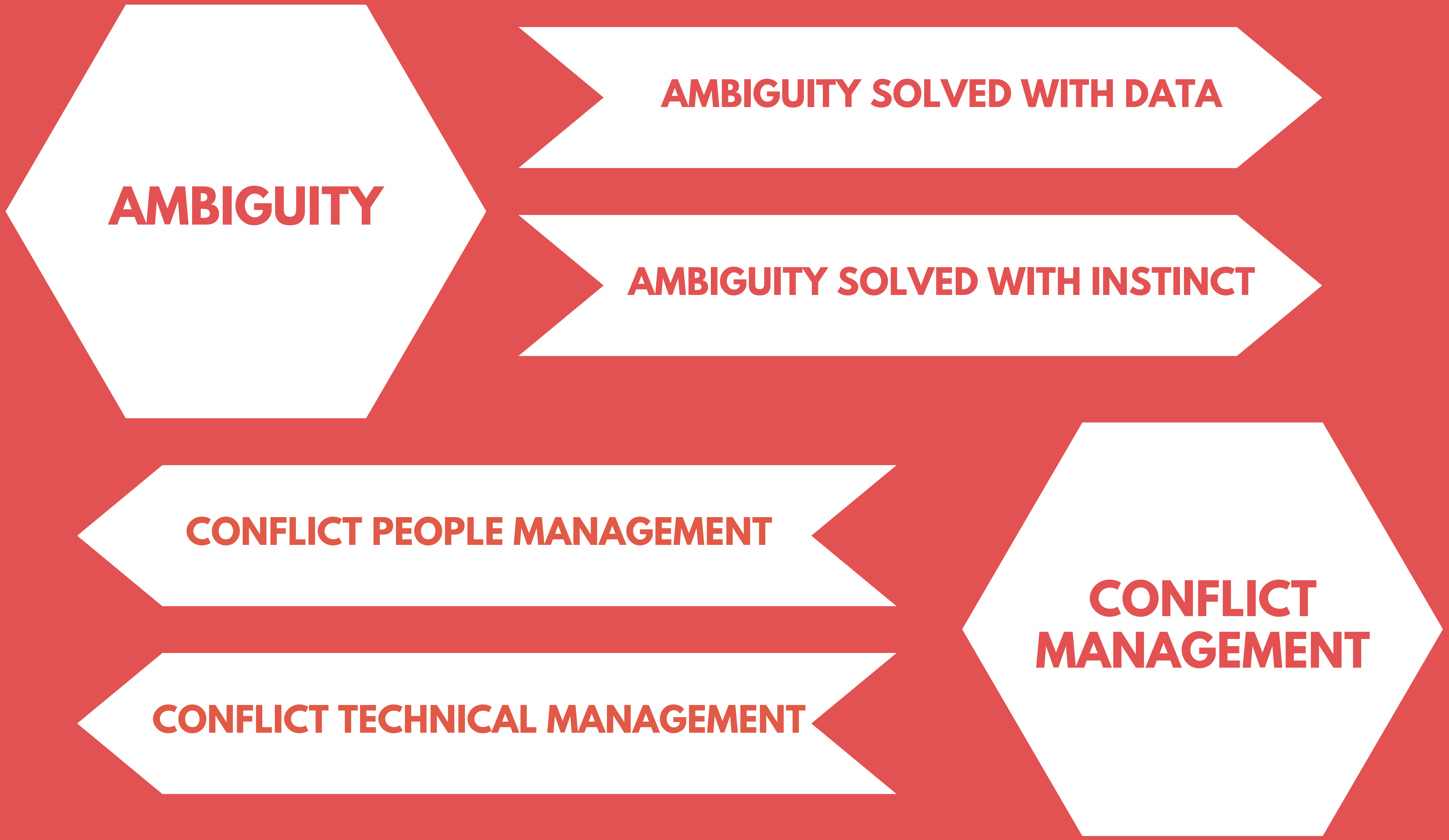
INDIVIDUAL ACCOUNTABILITY

PARTNERSHIP & PEOPLE MANAGEMENT

COMMUNICATION

- PROJECT COMMUNICATION
- MISSED DEADLINE COMMUNICATION
- ESCALATION COMMUNICATION
- MILESTONE DEFINITION
- EXECUTIVE LEVEL COMMUNICATION

PARTNERSHIP & PEOPLE MANAGEMENT



AMBIGUITY

AMBIGUITY SOLVED WITH DATA

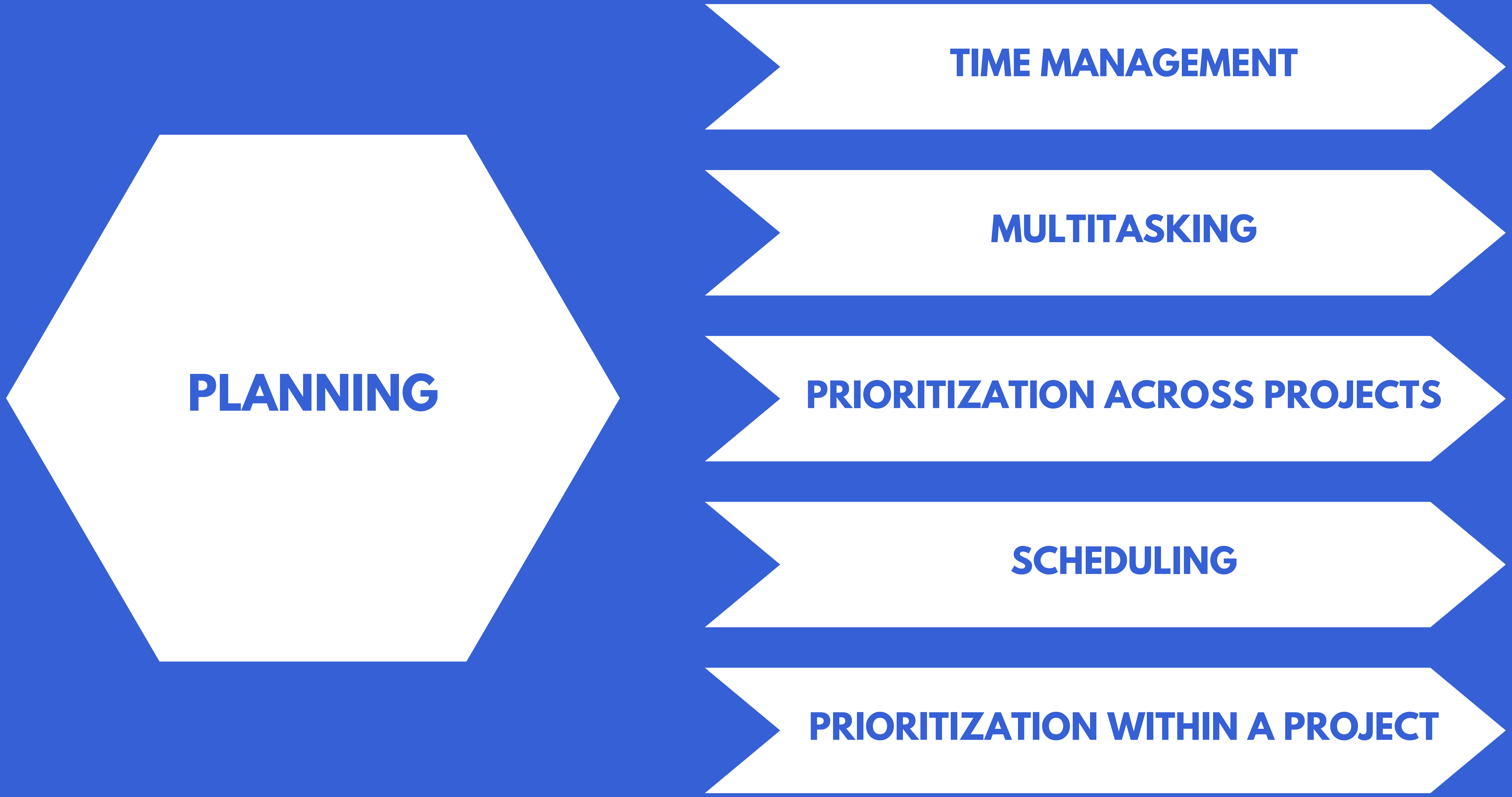
AMBIGUITY SOLVED WITH INSTINCT

CONFLICT PEOPLE MANAGEMENT

CONFLICT TECHNICAL MANAGEMENT

CONFLICT MANAGEMENT

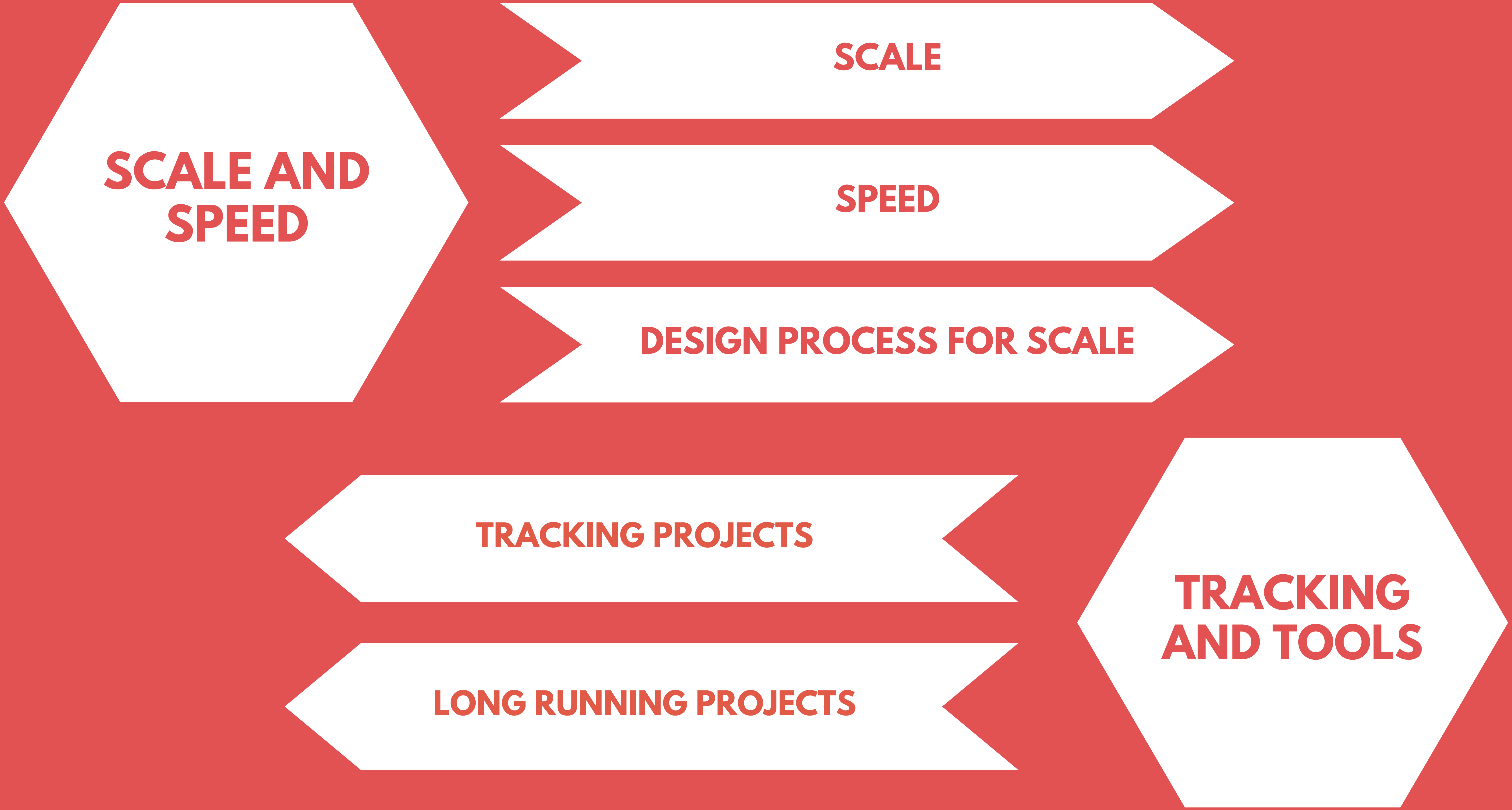
PARTNERSHIP & PEOPLE MANAGEMENT



PLANNING

- TIME MANAGEMENT
- MULTITASKING
- PRIORITIZATION ACROSS PROJECTS
- SCHEDULING
- PRIORITIZATION WITHIN A PROJECT

PARTNERSHIP & PEOPLE MANAGEMENT



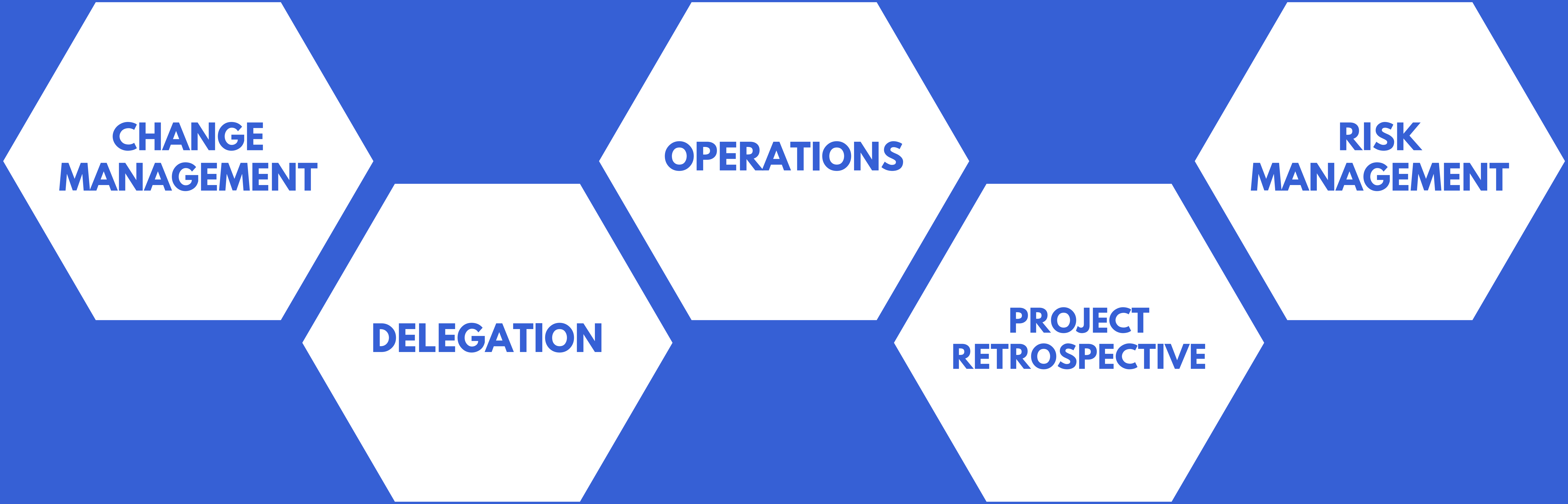
SCALE AND SPEED

- SCALE
- SPEED
- DESIGN PROCESS FOR SCALE

TRACKING AND TOOLS

- TRACKING PROJECTS
- LONG RUNNING PROJECTS

PARTNERSHIP & PEOPLE MANAGEMENT



CHANGE MANAGEMENT

DELEGATION

OPERATIONS

PROJECT RETROSPECTIVE

RISK MANAGEMENT

PARTNERSHIP & PEOPLE MANAGEMENT

IMPORTANT SKILLS FOR SOFTWARE DEVELOPMENT MANAGERS

- STRONG TECHNICAL APTITUDE
- PLANNING & STRATEGIC THINKING
- RISK MANAGEMENT
- DEEP UNDERSTANDING OF A BUSINESS GOALS
- PROJECT & PERSONNEL MANAGEMENT
- COMMUNICATION & LEADERSHIP

2

SYSTEM DESIGN

SYSTEM DESIGN

9 STEPS TO SOLVE A SYSTEM DESIGN QUESTION

Step 1	Identify the type of question
Step 2	Identify the actors in the system
Step 3	Identify use cases and user journeys
Step 4	Non-functional requirements
Step 5	Build high level system design

SYSTEM DESIGN

9 STEPS TO SOLVE A SYSTEM DESIGN QUESTION

Step 6 Build detailed system design

Step 7 Find flaws in your design

Step 8 Discuss about disaster recovery

Step 9 Discuss monitoring, alerting and operational excellence

SYSTEM DESIGN

IMPORTANT CONCEPTS TO PREPARE

1. Load Balancers
2. API
3. Queues
4. Bloom Filters
5. Gossip Protocols
6. Consistent Hashing
7. Sharding
8. Caching
9. Database Concepts
10. Idempotency
11. Websockets
12. Server Side Events
13. Long Polling
14. Range Partitioning
15. Linearizability
16. Consistency
17. Availability
18. Columnar Database
19. CAP Theorem
20. Scaling
21. Proxies
22. Storage
23. Communication Models
24. Security
25. CDN
26. Latency
27. ACID and BASE
28. Mapreduce
29. Poly Persistence
30. Leader Election

SYSTEM DESIGN

DESIGN AND PRACTICE DIFFERENT SYSTEMS

- WHATSAPP
- TWITTER
- UBER
- SELF-DRIVING CAR
- GOOGLE'S TYPE AHEAD FEATURE
- INVENTORY MANAGEMENT SYSTEM

SYSTEM DESIGN

DESIGN AND PRACTICE DIFFERENT SYSTEMS

- NETFLIX PAUSE FEATURE
- DISTRIBUTED MESSAGING QUEUE
- DISTRIBUTED NOTIFICATION SERVICE
- URL SHORTNER
- SENSOR BASED PARKING LOT
- DIGITAL RIGHTS MANAGEMENT SYSTEM

SYSTEM DESIGN

DESIGN AND PRACTICE DIFFERENT SYSTEMS

- DROPBOX
- RESTAURANT SEARCH ENGINE
- STOCK APPLICATION
- JOB SCHEDULING ENGINE
- EBAY
- DISTRIBUTED LOCK SERVICE

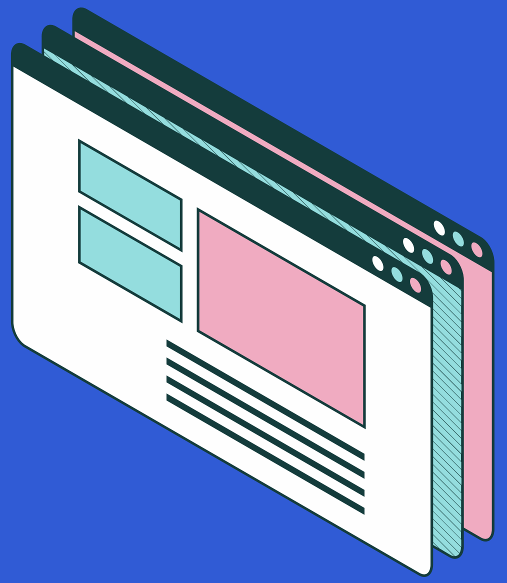
SYSTEM DESIGN

DESIGN AND PRACTICE DIFFERENT SYSTEMS

- HR PLATFORM
- ELECTION VOTING SYSTEM
- CUSTOMER CALL CENTRE
- UNIVERSITY VOTING APPLICATION
- FACEBOOK MESSENGER
- HYPER TENSION ALERTING

3

CODING



CODING

MUST KNOW

- PROGRAMMING LANGUAGE
- DATA STRUCTURES AND ALGORITHMS
- OBJECT ORIENTED PROGRAMMING
- DATABASE AND SQL

Daily practice minimum of 6 problems on Leetcode

CODING

IMPORTANT PATTERNS TO PRACTICE

BINARY SEARCH

BACK TRACKING

DIVIDE AND CONQUER

DESIGN + CODING

GRAPH BFS

SORTING & SEARCHING

GREEDY

HASHMAP

CODING

IMPORTANT PATTERNS TO PRACTICE

LINKED LIST

MATH

PRIORITY QUEUE

RECURSION

SEGMENT TREE

SLIDING WINDOW

STACK

STRING

CODING

IMPORTANT PATTERNS TO PRACTICE

TREE BFS

TREES

UNION FIND

GRAPH CONNECTED COMPONENTS

GRAPH TOPOLOGICAL SORT

DYNAMIC PROGRAMMING

GREEDY

CODING

CODING BEST PRACTICES

Practice minimum 10 problems on each topic

2 EASY

6 MEDIUM

2 HARD

CODING

HOW TO LEETCODE?

DONT MEMORIZE → PATTERNIZE → INTERNALIZE

FIRST EASY → THEN MEDIUM → THEN HARD

NOT 1000 BUT SMARTLY SELECTED 150 OR EVEN 50!

CODING

CODING INTERVIEW DO'S AND DONT'S

- Always let your interviewer know what you are thinking, as he/she will be as interested in your process of thought as your solution. Also, if you're stuck, they may provide hints if they know what you're struggling with.
- Approach the problem as if you were trying to solve it with a colleague, in which case it would be more of a discussion than a test.
- It's totally normal to struggle at a problem especially if you've never seen it. Be calm, start from a brute force solution, and mention to the interviewer that you'll now start to optimize. Start from a few basic cases and try to generalize into a solution.
- Listen - don't miss a hint. Your interviewer is trying to assist you! Being able to take hints shows that you are open to new ideas.

CODING

CODING INTERVIEW DO'S AND DONT'S

- Never stop optimizing. If you think your algorithm reaches the best possible run time, then try to improve on the space complexity.
- Write clean code. Break a long function into smaller independent pieces shows good design, makes your code understandable and easily testable.
- If using Java, proper use of an interface, generics, final/static are all a plus.
- Discuss trade-offs. For this problem, why did you use a hashmap instead of a hashset? Why is it better to use iteration instead of recursion? If a problem can be solved in two ways – implementation A requires linear time complexity and quadratic space complexity and implementation B requires quadratic space complexity and linear time complexity, when would you use which?

CODING

CODING INTERVIEW DO'S AND DONT'S

- Saying what you know can get you easy points. Specifically it will convey a lot of your knowledge while spending little interview time. For example, “I would normally use StringBuilder, but in the interest of time, I’ll use the + syntax because it is quicker to write.”If you are familiar with a more complex data structure or algorithm that fits a particular situation, mention it. Be ready for follow up questions. (ex: skip lists or binary indexed trees)
- Don’t stress small syntactical errors. If you can’t remember whether the method is substring(start, end) or substring(start, length), just pick one and let your interviewer know. In the real world you could just check the documentation or even autocomplete. Don’t worry about occasionally missing a semicolon either.

CODING

CODING INTERVIEW DO'S AND DONT'S

- Interviewers tend to leave the last ten minutes of the interview for you to ask about the company culture, work environment, interesting projects they’ve worked on, etc. So prior to the interview, do some research about the company or the team and come prepared with some questions to show your interest.

WHAT MISTAKES MOST PEOPLE DO?

CONSISTENCY

Most people start with enthusiasm, but after some days they tend to slow down the practice and end up giving.

PROGRAMMING

Don't overload yourself to learn multiple programming languages and mastering it. Take one and learn it completely.

DIFFICULTY

Start to solve coding questions from easy level. If you start with difficult questions, it may demotivate you and you feel stressed.

WHAT MISTAKES MOST PEOPLE DO?

MEMORIZE

Many people start to memorize the coding of a particular problem when they don't understand the problem-solving. Please don't memorize.

CODING

Don't jump into coding without understanding the solution, spend some time in developing a solution to the problem.

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BEHAVIOR

BEHAVIOR

STAR METHOD TO ANSWER BEHAVIORAL QUESTIONS

SITUATION	Describe the situation or event that you were in.
TASK	Explain the task you had to complete.
ACTION	Describe the actions that you took to complete the task.
RESULT	Conclude with the results of that event or situation which you have achieved.

BEHAVIOR

WE HAVE ORGANIZED MANY BEHAVIORAL QUESTIONS INTO SMALL CATEGORIES TO EASE YOUR PREPARATION

BIAS FOR ACTION

- ABILITY TO UNBLOCK QUICKLY
- ABILITY TO MAKE QUICK DECISIONS

CUSTOMER OBSESSION

- ABILITY TO FOCUS ON CUSTOMER NEEDS
- ABILITY TO MAINTAIN CUSTOMER TRUST

BEHAVIOR

WE HAVE ORGANIZED MANY BEHAVIORAL QUESTIONS INTO SMALL CATEGORIES TO EASE YOUR PREPARATION

DEEP DIVE

- TECHNOLOGY DEEP DIVE
- DECISION DEEP DIVE
- FORESIGHT
- PEOPLE DEEP DIVE

BEHAVIOR

WE HAVE ORGANIZED MANY BEHAVIORAL QUESTIONS INTO SMALL CATEGORIES TO EASE YOUR PREPARATION

EARN TRUST

- UNDERSTAND TRUST ACCELERATION
- ABILITY TO CHANGE TOUGH OPINIONS
- ABILITY TO ACCEPT FAILURE
- ABILITY TO GIVE FEEDBACK
- ABILITY TO ACCEPT FEEDBACK
- ABILITY TO MANAGE FAILED EXPECTATIONS
- UNDERSTANDS TENETS OF TRUST BUILDING
- ABILITY TO MANAGE CONFLICTS

BEHAVIOR

WE HAVE ORGANIZED MANY BEHAVIORAL QUESTIONS INTO SMALL CATEGORIES TO EASE YOUR PREPARATION

DELIVER RESULTS

- UNANTICIPATED OBSTACLE
- TIGHT DEADLINE
- LONG TERM PROJECT

FRUGALITY

- THINK OUTSIDE THE BOX
- SMART SPENDING
- DO MORE WITH LESS

BEHAVIOR

WE HAVE ORGANIZED MANY BEHAVIORAL QUESTIONS INTO SMALL CATEGORIES TO EASE YOUR PREPARATION

HIRE AND DEVELOP

- TEAM MANAGEMENT & GROWTH
- HIGH PERFORMER MANAGEMENT & GROWTH
- LOW PERFORMER MANAGEMENT & FIRING
- HIRING SENSE
- MANAGING SENIOR MEMBERS
- BIGGEST MISTAKE AS PEOPLE MANAGER
- TEAM VISIBILITY MANAGEMENT
- ORGANIZATIONAL MANAGEMENT AND STRATEGY

BEHAVIOR

WE HAVE ORGANIZED MANY BEHAVIORAL QUESTIONS INTO SMALL CATEGORIES TO EASE YOUR PREPARATION

HAVE A BACKBONE

- CONVINCING
- NEGOTIATION
- ACCEPT OTHERS IDEAS

INVENT AND SIMPLIFY

- ABILITY TO INNOVATE
- ABILITY TO SIMPLIFY
- BELIEVES IN HIS IDEA

BEHAVIOR

WE HAVE ORGANIZED MANY BEHAVIORAL QUESTIONS INTO SMALL CATEGORIES TO EASE YOUR PREPARATION

OWNERSHIP

- ABILITY TO ACT ON BEHALF OF THE ENTIRE COMPANY
- ABILITY TO HELP OTHERS FOR A BIGGER CAUSE
- LONGTERM THINKING V/S SHORT TERM THINKING

THINK BIG

- COMMUNICATE YOUR VISION
- RISK TAKING CAPACITY
- OUT OF THE BOX THINKING

BEHAVIOR

WE HAVE ORGANIZED MANY BEHAVIORAL QUESTIONS INTO SMALL CATEGORIES TO EASE YOUR PREPARATION

LEARN AND BE CURIOUS

- LEARNING FROM FAILURES
- LEARNING OUTSIDE YOUR COMFORT ZONE
- SELF AWARENESS
- LEARNING FROM OTHERS

5

MOCK INTERVIEW

MOCK INTERVIEW

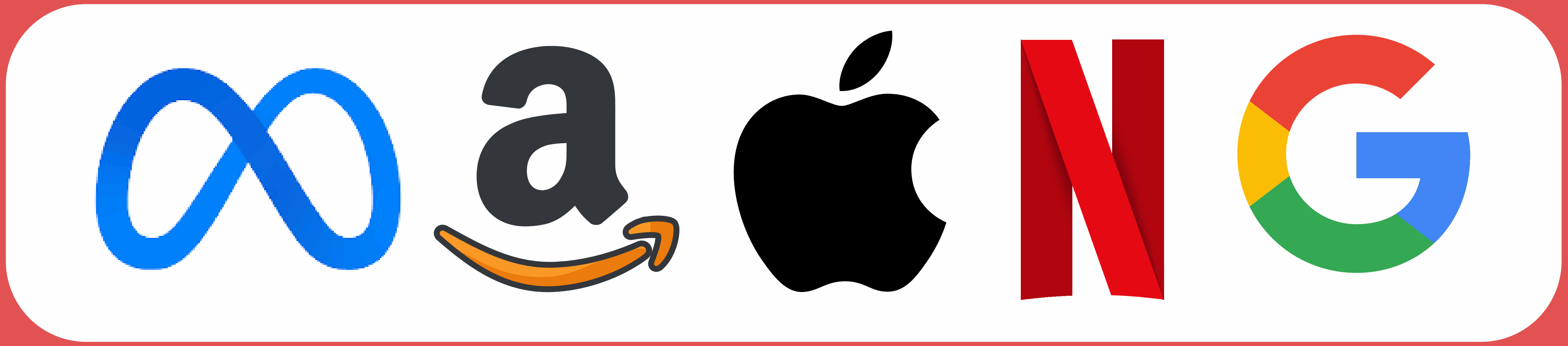
MOCK INTERVIEWS ARE ONE OF THE MOST IMPORTANT PREPARATION METHOD BEFORE TAKING AN INTERVIEW AT MAANG. IT GIVES YOU AN IDEA OF HOW THE REAL INTERVIEW IS GOING TO LOOK LIKE.

DO MINIMUM 5 MOCK INTERVIEW BEFORE BEING INTERVIEWED AT MAANG

MOCK INTERVIEW

INTERVIEW HELP HAS CONNECTED WITH MANY SENIOR LEVEL MANAGERS FROM THE MAANG COMPANIES FOR SCHEDULING YOUR MOCK INTERVIEW.

PRACTICE AND PERFORM MOCK INTERVIEWS WITH EXPERTS FROM



INTERVIEW AT TIER 1.5 COMPANIES

airbnb
LinkedIn
stripe
2σ TWO SIGMA
lyft
twitch
ROBLOX
Uber
Pinterest
instacart
Microsoft
Dropbox
databricks
S
ebay
salesforce
NVIDIA
coinbase

INTERVIEW AT TIER 1 COMPANIES

MAANG INTERVIEW DO'S AND DON'TS

DO'S BEFORE THE INTERVIEW

1. PREPARE YOUR PROFESSIONAL RESUME
2. DO RESEARCH ABOUT THE COMPANY AND THE JOB TITLE
3. LEARN THE COMPANY INTERVIEW PROCESS
4. WORK ON REQUIRED ANALYTICAL AND SOFT-SKILLS
5. WORK ON REQUIRED TECH SKILLS
6. DO MOCK INTERVIEWS

DON'TS BEFORE THE INTERVIEW

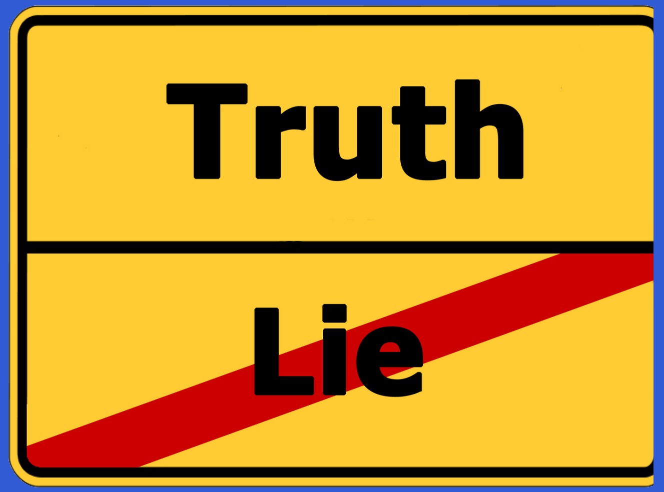
1. SHAKE OFF THE TOXIC MINDSET
2. DON'T FOCUS ON QUANTITY INSTEAD OF QUALITY WHILE PRACTISING

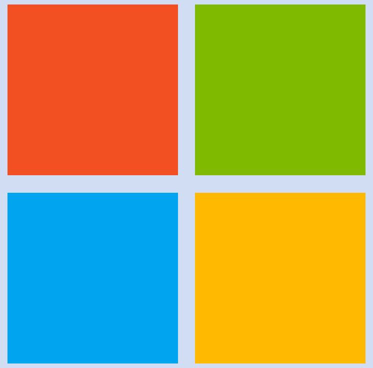
DO’S AT THE INTERVIEW

1. ANSWER THE INTERVIEW QUESTIONS IN A STAR METHOD
2. LISTEN AND RESPOND ACCORDINGLY
3. SHOW THE KNOWLEDGE AND ABILITY TO HANDLE ALL THE REQUIRED TECH TASKS
4. BE CONFIDENT
5. BE READY TO GET INTO DETAILS, DEEP
6. ASK QUESTIONS
7. DRESS PROPERLY

DON'TS AT THE INTERVIEW

1. DON'T SPEAK OVER THE INTERVIEWER
2. DON'T STEAL A STORY
3. DON'T SPEAK POORLY ABOUT YOUR PAST EMPLOYERS
4. DO NOT BE AFRAID OF REJECTION (LEARN FROM YOUR EXPERIENCES)





OUR SUCCESS STORIES

AHMED
SDM @ GOOGLE

I just accepted an offer from Google! InterviewHelp was a big factor in helping me get there. The traditional advice is to interview with multiple companies at once, and while this is helpful when it comes to offer negotiation, you usually don't get detailed feedback beyond a binary yes/no. With InterviewHelp, you actually have a mock interview session with experienced professionals (often in FAANGs) who will be doing the actual interviewing. At the end of the mock interview, your interviewer goes through your interview performance in detail to help you improve. For me personally, my interviewers gave me confidence in my preparation highlighting my interview strengths. They then proceeded to give me feedback on where I can improve and giving me some suggestions there along the way. I highly recommend signing up for this!

GEORGE ANDRAWS
SR.SDM @ MICROSOFT

I was looking for some help in the interview process who can guide me how to do the interviews at top tier companies. I previously applied for some intervies and failed on those as I was unable to demonstrate my knowledge at the interviews. I was quite lagging in the technical aspect of things. At interview help, I attended many classes, where it was like a real-time experience to answer and learn new concepts and learn the art of answering. The feedback from the instructors helped me a lot to improve myself. The system design classes with Rahul was wonderful to understand the in-depth concepts in the process of system design. These things helped me to land a job at Microsoft.

WATCH NOW

CONTACT US

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