System Design

Day 1

Day-1 Agenda

What is System?

What is Design?

What is System Design?
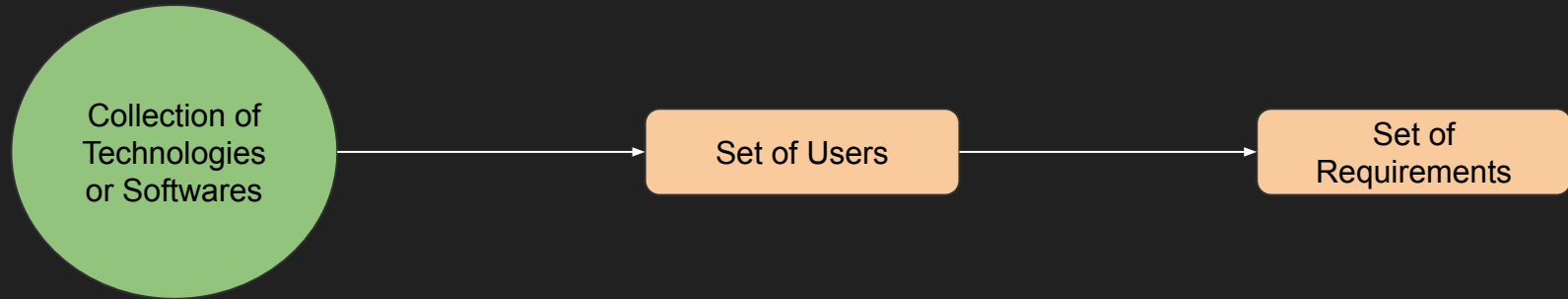
System Requirement.

Functional Requirement.

Non-Functional requirement.

System design components and its types.

Logical Entities & Tangible Entities.

What is System?

System is a collection of technologies/softwares which communicate with each other in order to serve a set of users to fulfil a set of requirements.

Examples

Digital World	Real World
Whatsapp	Hospitals
Netflix	Banks
Instagram	Hotels
Google Maps	Theaters
Uber	
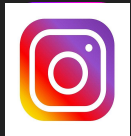
Let's break it *[Whatsapp]*

Set of Users

- Individuals/Everyday users
- Businesses & Professionals
- Families
- Educational Institutes
- Non Profit organizations
- Community and Interest Groups
- etc

Set of Problem solved

- Instant communication
- Cost effective messaging
- International communication
- Voice & Video calls
- Multimedia sharing
- Group chats
- etc

Let's break it *[Netflix]*

Set of Users

- Individuals/Everyday users
- Couples and Friends
- Educational Institutes
- Film and TV Enthusiasts
- Travelers
- Language learners
- etc

Set of Problem solved

- Content visibility
- Traditional TV limitations
- Cost Effective entertainment
- Offline Entertainment
- Geographical Restrictions
- etc

Let's break it *[Instagram]*

Set of Users

- Individuals/Everyday users
- Brand & Businesses
- Celebrities
- Creators
- Photography Enthusiasts
- Food and Lifestyle Enthusiasts
- Community and Interest Groups
- etc

Set of Problem solved

- Visual Storytelling
- Global Connections
- Creative Expressions
- Marketing
- Communications & Engagements
- etc

Let's break it *[Uber]*

Set of Users

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Set of Problem solved

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Thank You