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AFTER VALENTINE RELEASE

WATERFALL

ITERATIVE

ALPHABET

SDLC

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# SDLC

## SOFTWARE DEVELOPMENT LIFE CYCLE

1. Identify

2. Design

3. Code

4. Test

5. Deploy

6. Maintain



# IDENTIFICATION OF REQUIREMENTS

**Investigate existing system &  
Identify new requirements**

## Investigation Methods

Observation

Interviews

Questionnaires

Report Inspection

Prototyping

Identify the Enemy

**Create the System Requirements  
Specification Document**

# DESIGNING THE SOLUTION

The background of the slide is a vibrant, futuristic cityscape. In the upper left, a sleek, dark flying vehicle with blue accents is suspended by cables. Another similar vehicle is visible in the upper right. The sky is a clear blue with scattered white clouds. In the foreground, a large, complex structure is under construction, featuring a prominent blue and white metal framework. The ground is filled with various construction materials and components, suggesting a busy, advanced urban environment.

**What to Design?**

**User Interface**

**Architectural**

**Test Cases**

**Database Design**

**Plan it prior to attack**

**Create the Design Specification**



# CODING THE SOLUTION

A futuristic cityscape with flying cars and a large ship in the sky. The scene is set in a dense urban environment with tall buildings and a hazy atmosphere. A large, dark, angular ship is flying in the upper right, while several smaller flying cars are scattered throughout the sky. The city below is a complex grid of buildings and streets, with some lights visible. The overall tone is high-tech and cinematic.

Java  
C, C++  
Python  
Pascal

Use Programming  
Languages and  
IDEs

Show Off Time  
of Programmers

**Executable Version of the Solution**



# TESTING AND DEBUGGING

**Resolve the Errors**

Acceptance  
Testing

**User approval**

System  
Testing

**Full System**

Integration  
Testing

**Integration of Units**

Unit  
Testing

Unit  
Testing

Unit  
Testing

**Testing the Smallest  
Parts of the System**

**Errors Make You Stronger**

**Tested Version of the System**



# DEPLOYMENT OF THE SYSTEM

## Install and Use the System



## Make it Happen

### Different Approaches

#### Direct

Totally  
Ignore  
the  
Previous  
One

#### Parallel

Use  
Both  
in  
Together  
until  
New  
One  
is  
Good

#### Phased

Install  
section  
by  
section  
(step  
by  
step)

#### Pilot

install  
and  
check  
in an  
area,  
if  
successful  
install  
to the  
rest

# MAINTENANCE OF THE SYSTEM

The background of the entire image is a futuristic, high-tech environment. On the left, a large, complex structure with multiple levels and glowing blue lights is visible. The sky is filled with clouds and a few small aircraft. In the foreground on the right, a character with a red headband and a black tank top is seen from the back, looking towards the structure. Below them, another character is sitting on a ledge, looking up at the first character.

Don't Say Good Bye

**New Requirements**  
**Fixing Errors**  
**Improve with Updates**