- Testing is the process of evaluating a software application to identifying evidu, gaps, or missing suguinoments.

 It consumes that the software works as expected and must the user needs.
- D) Explaining Black Box Testing and white Box Testing.

 a) Black Box Testing; Testing the the software without

 knowing internal stemetime or code. It focus on Inputs

 and expected outputs.

Eldvantages :

- · No need to know programming
- · focuses on user experience and system behaviour

Disadvantages:

- · Connot identify internal code issues.
- . limited text coverage,
- b) White Box Testing: Testing the internal logic, stemeture, and code of the software. It focuses of paths, loops, conditions

ddvantages.

- · High code covorage
- · Finds hidden logical every.

Disadvantages

- Require programming knowledge

. Not Effective for checking use suquiruments or UI

3 Propair Risk Management in Software Engineering.

., Risk Management is the process of identifying, assessing, and mitigating susks that could negatively affect the success of a software project.

Steps:

1. Risk Identification:

· Détect potential risks (e.g., scope creep, délays).

· Example: "From lacks Experience with the chosen framework".

2. Risk-Malyers;

· sissers the likelihood and impact of each sisk.

· Use qualitative or quantitative methods.

s. Risk Paiditization:

· Rank disks based on severity and probability.

u. Risk Hitigation:

· Define strategies to suduce & avoid sisks.

· Example: Perovide training, create backup plans.

5. Risk Honitoring and control:

· Continuously monitor suisks thoroughout the project life cycle.

· Update plans are necessary.