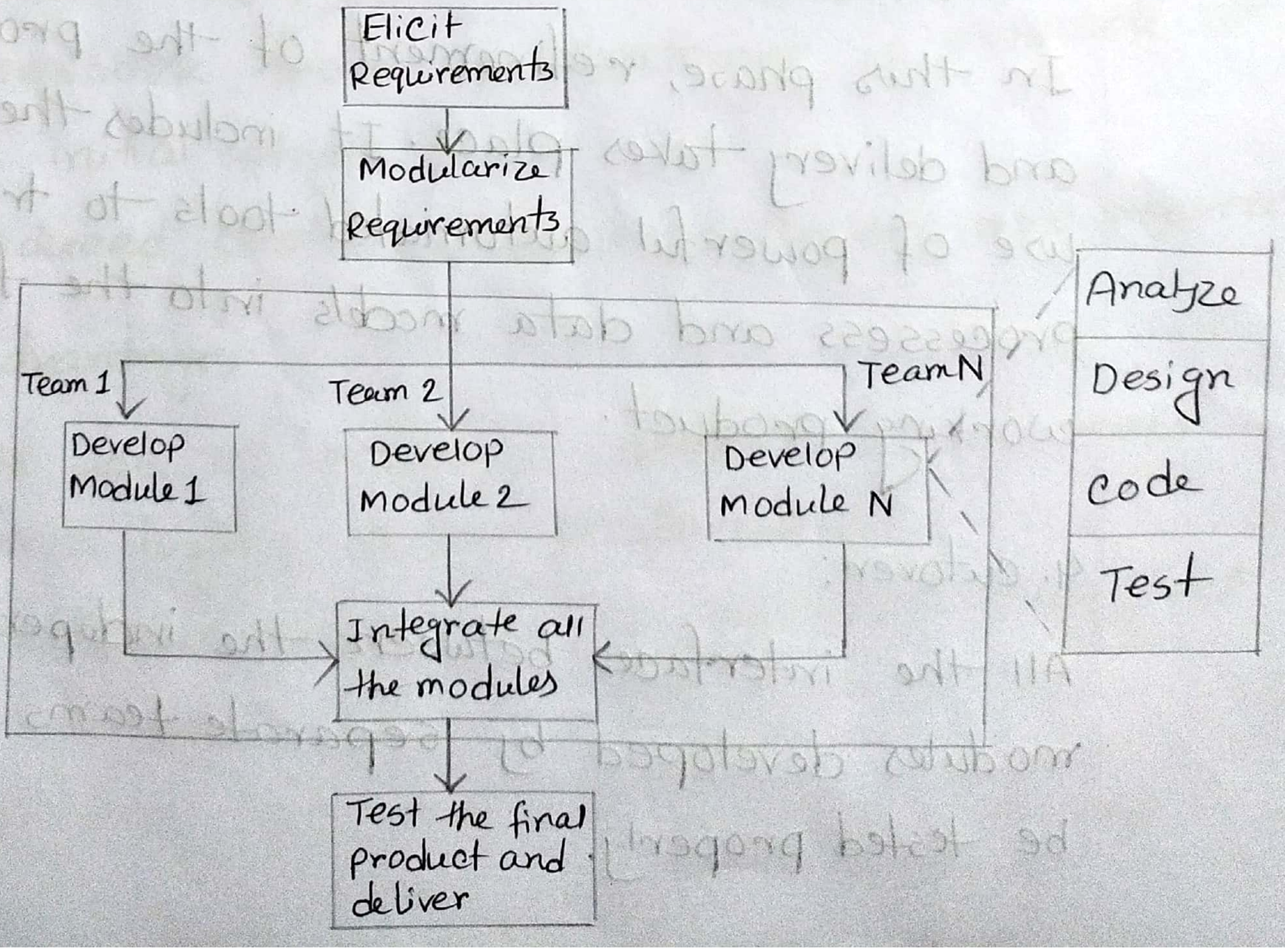
Name: Khadija Arefin Meem

ID : IT21059

Rapid Application Development Model (RAD):

RAD in software engineering is a development methodology that ep emphasizes speed and flexibility. It focuses on quickly building prototypes and getting feedback to improve the software, rather than following a rigid plan. It allows for quicks iterations and collaboration between developers and users.



This model consists of 4 basic phases:

1. Requirements planning:

This involves the use of various techniques used in requirements elicitation like brainstroming, task analysis, form analysis, user scenarios etc.

2. User Description:

This phase consists of taking user feedback and building the prototype using developer tools.

3. Construction:

In this phase, refinement of the prototype and delivery takes place. It includes the actual use of powerful automated tools to transform processess and data models into the final working product.

4. cutover:

All the interfaces between the independent modules developed by separate teams have to be tested properly.

Using purpose of the RAD model:

- Well understood Requirements
- Time ~~sent~~ sensitive projects
- Small to Medium sized projects
- High User Involvement
- Innovation and creativity
- prototyping
- Low technological complexity

Advantages:

- Reduce the cycle time of the project.
- Feedback from the customer is available at the initial stages.
- Reduced costs as fewer developers are required.

Disadvantages:

- The use of powerful and efficient tools requires highly skilled professionals.
- customer involvement is required throughout the life cycle.
- Not every application can be used with RAD.