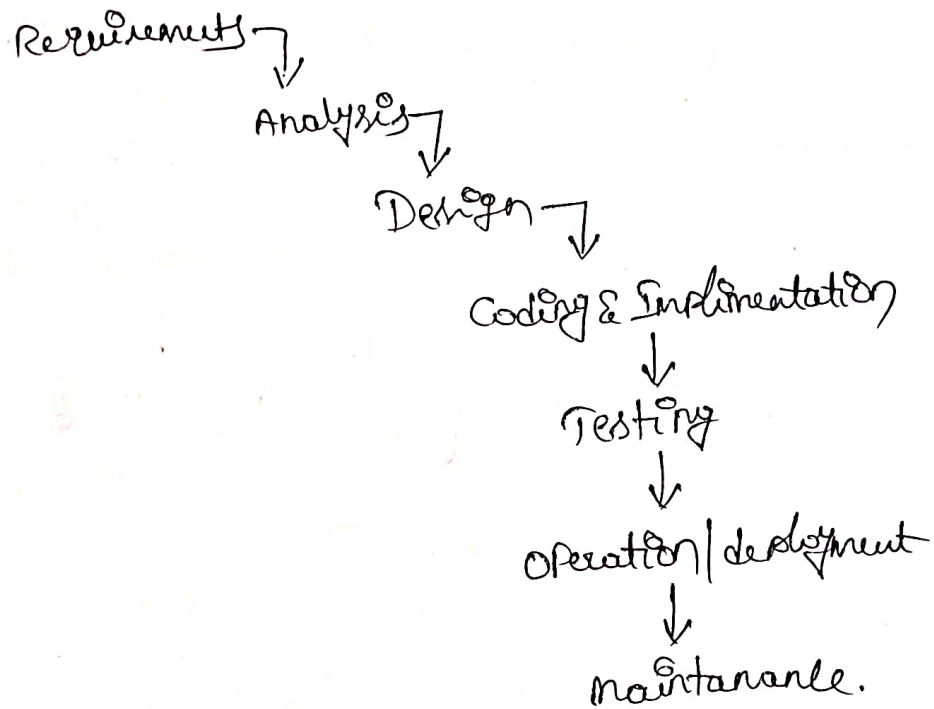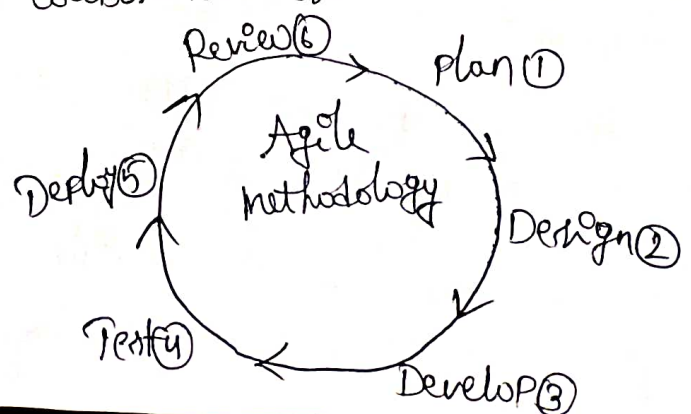Waterfall methodology :- Initially this methodology used in all Software industries, later move to the Agile methodology.
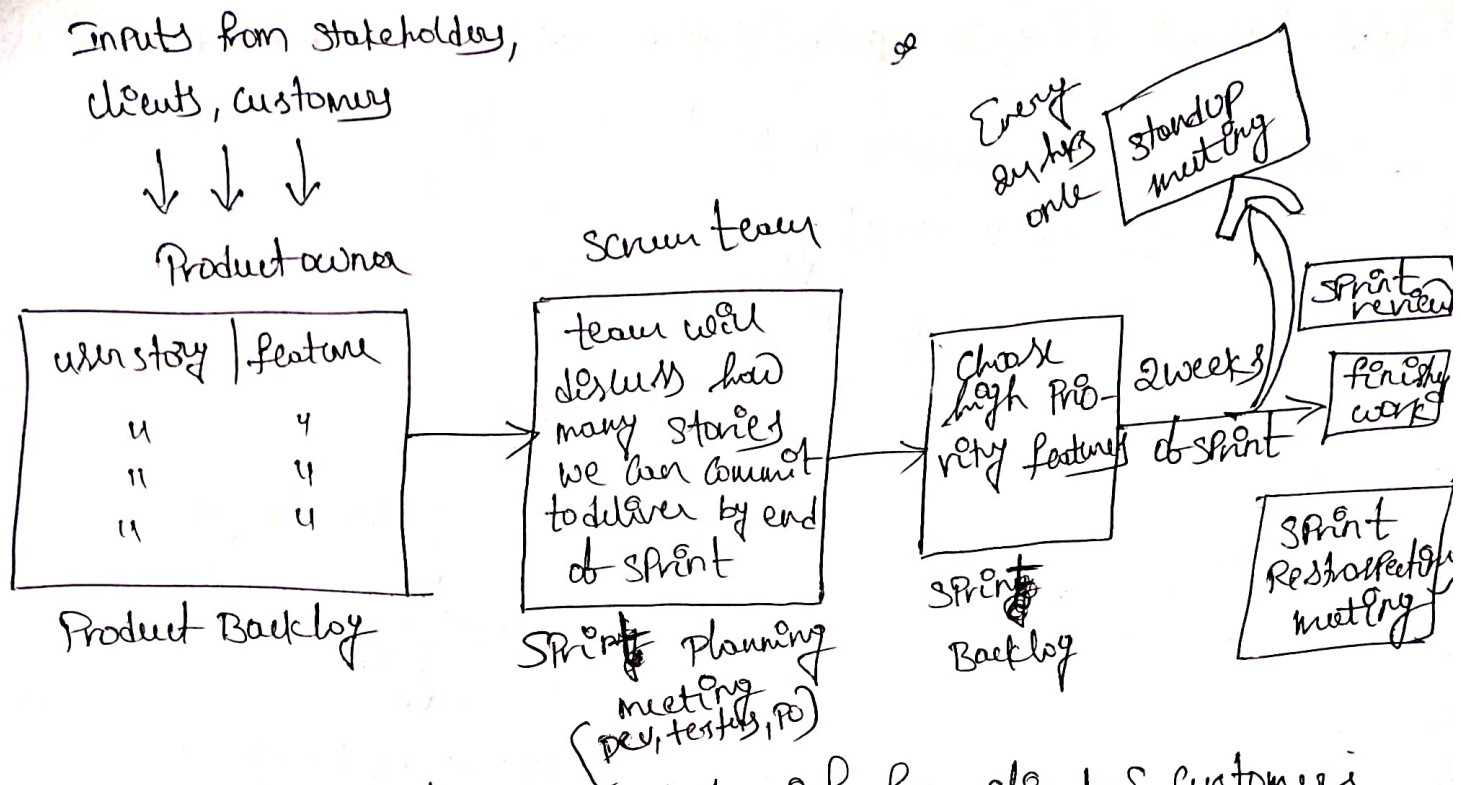
Requirements →
Analysis →
Design →
Coding & Implementation →
Testing →
Operation | deployment →
maintanance.

Drawbacks :-

i) Complete Software releases only at one time & it takes lots of time [1yr & 2yrs]

ii) if client requires any feature then doesn't add that feature in middle of Project. once if Project was starts then only Ending is the way.

iii) there is no collaboration b/w each teams. mis Communication has been done.

Agile methodology :- these waterfall methodology Drawbacks Can over Comes the Agile methodology. the main goal of this methodology is customer satisfaction. here Piece of software gives to customer. there is collaboration b/w all teams here.

Review ⑥   plan ①
Deploy ⑤   Agile methodology   Design ②
Testing ④   Develop ③

Inputs from stakeholder, clients, customer

↓ ↓ ↓

Product owner

user story	feature
"	4
"	4
"	4

Product Backlog

Scrum team

team will discuss how many stories we can commit to deliver by end of Sprint

Sprint Planning meeting (Dev, tester, PO)

Choose high priority features

Sprint Backlog

2 weeks of Sprint

Every 24 hrs one — Standup meeting

Sprint review

finishy work

Sprint Restrospective meeting

Product owner:— Product owner collects info from client & customer & create a bulk user story/features based on clients requirement. this creation of user story/features called as Product Backlog.

Scrum team:— scrum teams consists of 5 members like Product owner, Scrum Master & Development team (3 nos). In Sprint planning meeting, all persons discuss decides & come to Commitment for what stories we need to complete for this Sprint.
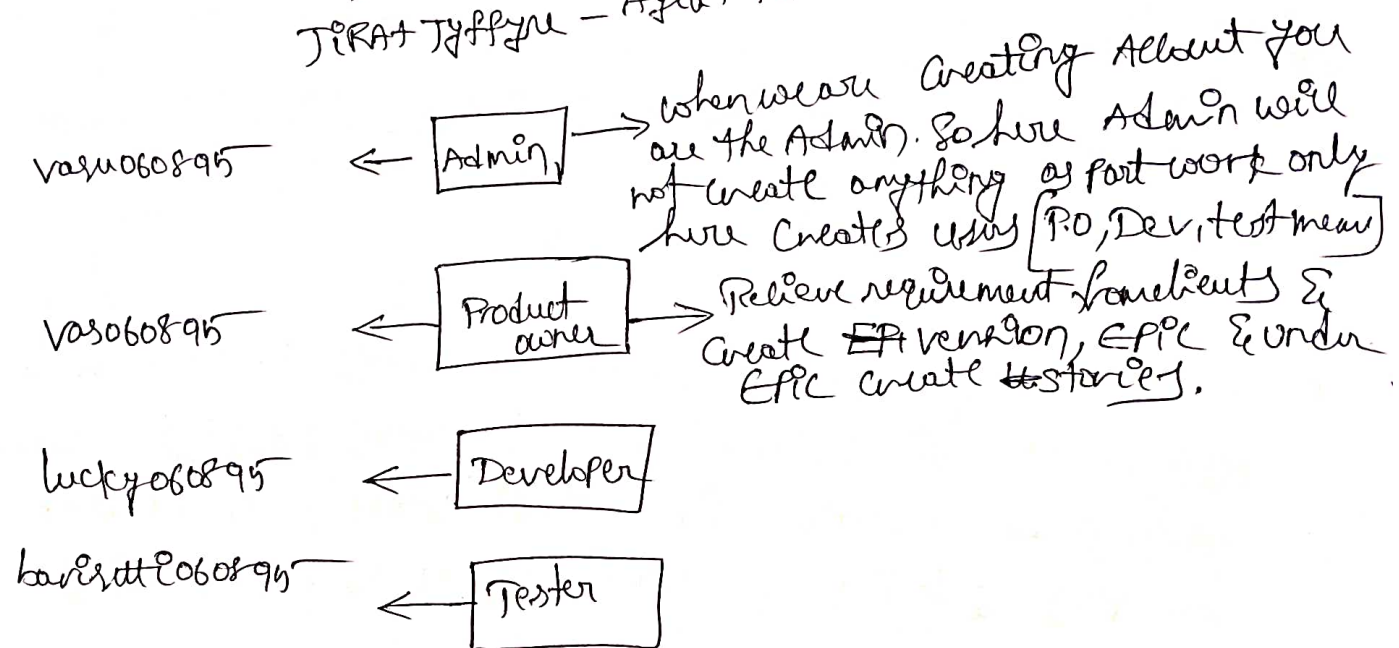
Sprint Backlog:— whatever stories/features are decides for completing to in this Sprint, those stories will giving high priority.

Sprint review:— Here all Product owner, Scrum Master, Development team & testing team reviews the Sprint whether working good or not. And this is decided by a Product owner.

Sprint restrospective meeting:— Based on that deliver of Sprint, here decides & that's implementation we need to improve for next Sprint.

JIRA:- Jira $software is an agile project management tool that supports any agile methodology, be it Scrum, kanban or your own unique flavor.

JIRA — Agile management tool
JIRA+ Tyffyre — Agile + test management tool

vasu060895 ← [Admin] → when we are creating Account you are the Admin. So here Admin will not create anything as part work only here Creates using [P.O, Dev, test mean]

vaso060895 ← [Product owner] → Relieve requirement from clients & Create EP version, EPIC & under EPIC create stories.

lucky060895 ← [Developer]

barisatt2060895 ← [Tester]

↳ when Product owner Creating of these stories will giving Priorities. Stories nothing but tasks, here reporter is Product owner. these all are stories under in Product Backlog.

↳ Later Sprint planning meeting done. In this meeting all developers, testers & Product owner Can talk to each other & there by mutual discussion happens in b/w them & finally decides what stories there need to complete for this Sprint. Based these stories points there decides for each Sprint. (2 week say 3)

↳ Product owner Creates a Sprints & moves these stories to Sprint Backlog from the Product backlog.

↓

Start the Sprint by Product owner.

But Product owner not going to work on these stories. Developers & testers Can work on these stories. So goto developer or any account & see the stories & again Create Stories Sub tasks here.

here developers or testers creates own subtasks for each stories. & Assign these subtasks to own or any of developers or testers. here under the each stories we will have number of tasks. one sprint starts the dashboard shows like

TODO	InProgress	Done

Stories:-
  ↳ subtasks
  ↳ subtasks

* for each stories, developers & testers are creates subtasks & Assign to their or corresponding developers & testers. one subtasks are created then start's working on it both developers & testers. one work starts their moves from

TODO to inProgress.

TODO	InProgress	Done

Stories:-
  ↳ subtasks
      ↳ subtasks

when your work inProgress you may get some doubts So if you have any doubts then open that task & type msg related to your doubt & Assign to whom you need ask.

Assign:- Productowner
Reporter:- Developer/tester

After this Product owner A/c will get a notification regarding for this doubt & he give some clarity to developers or testers. Again here Assign to developers or testers.

↳ for creating test cases by tester, first goto the Admin account → APP → Install 'zypher plugin' → then able to see 'zypher Scale' option.

↓

GOTO the tester Account, tester can create test cases using this 'zypher Scale' option.

↓

Subtask for test
1. Create test cases

Tests Plans Cycles Reports

↓

Select & create test cases

[test case name, owner (tester), objective, Pre Condition]
[Priority, labels, Draft (Default)]
                         (Accepted)
                         (rejected)

here creating of test cases, tester will GOTO the subtasks & open that subtask & type msg & Assign to product owner. So product owner get a notification from tester, here product owner GOTO zypher scale option, Approved. checking test cases if it's all okay then Product owner ⊗ And give reply Assigned to that msg to tester. if tester will getting okay msg from Product owner then the tester moves that subtask of Inprocess to 'Done' option.

TODO   Inprocess   Done
                     ↳ subtasks

2. Verify the test cases & Execute test cases :-
Whatever verified test cases by product owner, these all test cases Added in cycles after creation of cycle. then GOTO that cycles, i) Execute manually & verify it if it's okay then mark as PASS

ii) If something test case is not executes so At that Particular case, create a issue what happends & Assign that issue to developer or Product owner. this defect also shows in dashboard under the 'TODO'. Again Goto that subtask 'executing test cases' type msg & Assign to Developer. here Developer get notification) & check that issue & his fix the defect then developers type msg (he will fix this issue in version2) & Assigned to tester.

'version 2' creates by Product owner under the 'version 2' developers Can fix that defect so here the testers Again checks in 'version 2' if it's okay then it's moved to Done' stage.