

PES UNIVERSITY, BANGALORE

Department of Computer Science and Engineering

TEAM-9

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1: Identify the lifecycle to be followed for the execution of your project and justify why you have chosen the model.

-Adnan suhail ahmed

We are using Agile(scrum) for the execution of our project.

- Agile is far more flexible than its traditional counterparts, but it still offers a desirable sense of structured organization, as seen with its clearly defined roles, regular meetings, and systematic reviews. This level of discipline makes Agile easier to implement, which is more focused on the cultural thinking within an organization. Agile teams focus on delivering working software to customers at the end of every sprint and use feedback to inform their development process. This short-term approach makes Agile far more adaptable to consumer needs.

2: Identify the tools which u want to use it throughout the lifecycle like planning tool, design tool, version control, development tool, bug tracking, testing tool.

-Chetana N p

- Gangtpro-Allows easy and efficient process for resource planning and resource management. We are using GanttPRO to construct Gantt chart,
- jira - Design control and it Helps to capture and organize the team issues, prioritizing the issue, updating them with the project and tracking the issue
- github-version control
- Draw io - free online diagram software to make data flow diagrams and structured charts

- Software-Server deployment - XAMPP server, Database support - MySQL 5.7, vs code
- Technology used-Frontend-HTML, CSS and BOOTSTRAP, Backend:php Database-MySQL database.

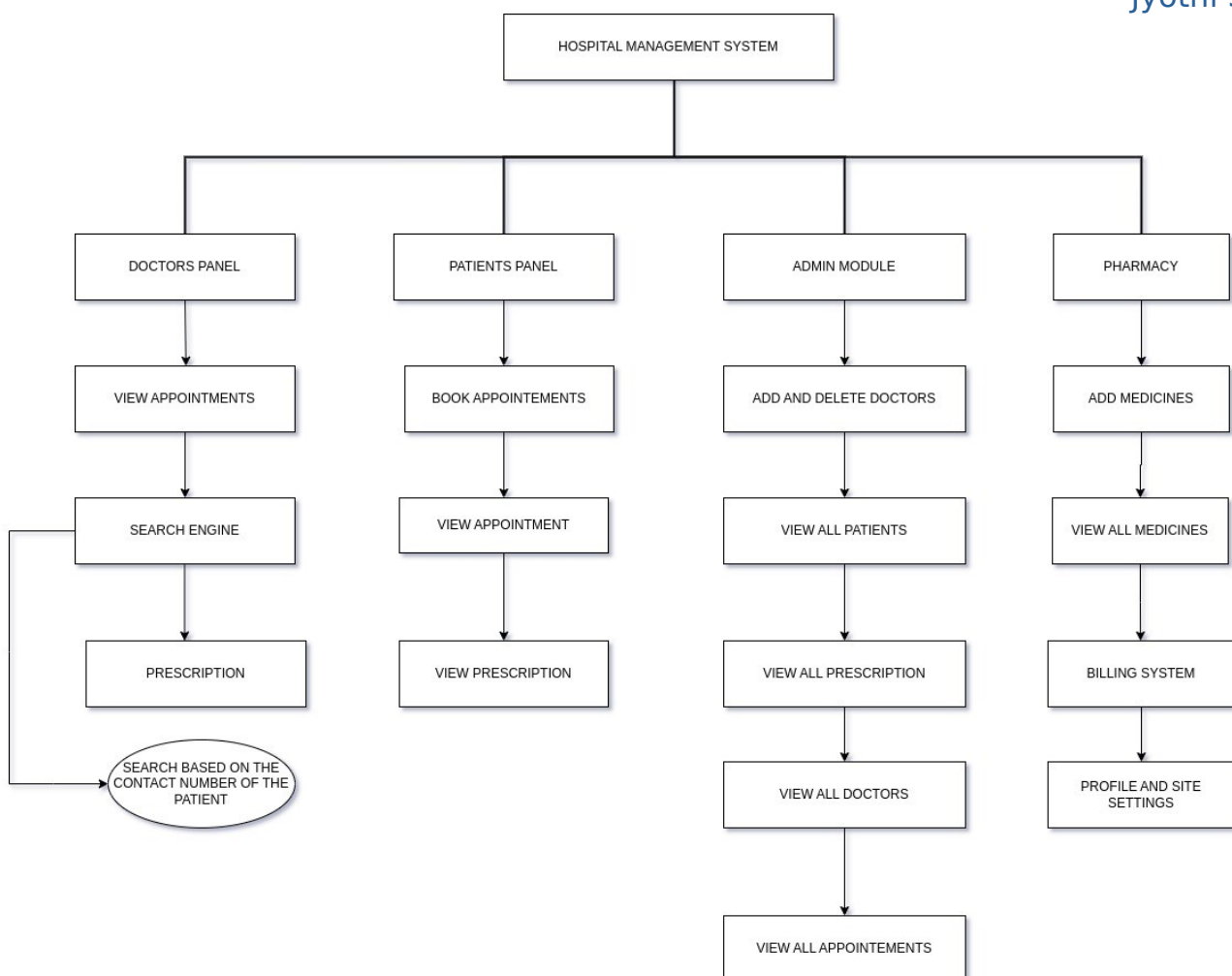
3: Determine all the deliverables and categorise them as reuse/build components and justify the same

-Chetana N Patil

- Software UI - Reuse
- User login - Reuse
- Database control - Build
- Component integration - Build
- Profile Creation - Build

4: Create a WBS for the entire functionalities in detail.

-Jyothi S



5: Do a rough estimate of effort required to accomplish each task in terms of person months.

-Meghana N

Using COCOMO MODEL:

Effort(E)= a*(KLOC)^b PM(Person month)

Time = c(E)d

Person Required = effort/time

KLOC for all functionalities = (total of figures given by each member plus 0.5 for integration of components)

Semi-detached:

$E = 3.0 \times (\text{KLOC})^{1.12}$ PM

$E = 20.24$ PM

$T = 2.5 \times (E) \times 0.35$

$T = 17.71$ M

As we are team of 4, approximately we will need time of 4.43M

6: Create the Gantt Chart for scheduling using any tool.

-Meghana N

