

Course Code : CSE 404

Course Title : Software Engineering and ISD Laboratory

Project name: Bus ticket booking management system

Experiment no: 11

Experiment name: Application of Gantt chart and PERT for your Project scheduling

Submitted To

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Part: Grant Chart for Online Bus Ticket
Management System.

Creating a Grant Chart for the Online Bus
Ticket management system project can help you
visualize the timeline and dependencies of the
various task and activities involved. Below is a
simplified Grant Chart for this project.

Project Timeline:

The project in estimated to span several months, with specific tasks and duration as bollows:

Miles and American Island

(1) Project Initiation (5 days): This phase involves and defining the project's scope, abjectives and

ionitial requirements.

- (11) Requirements Gathering (10 days): Detailed functional and non-functional requirements will be collected to guide system development.
- (in) System Design (15 days): The aschitectuse, latabase schema and uses interface will be designed lusing this phase.
- (V) Deployment (40 days): The actual Development of the conline bus ticket management system, including both brontend and Backerd components.
- (V) Security Implementation (10 days): Security measures such as energyption and authentication, will be implemented to protect uses data.
- (1) Paypal Integration (15 days): Integration with payment gateways like Paypal and execut card processing will be completed.
- (VII) Testing (20 days): Rigosous testing, including unit, integration, and uses acceptance testing will be conducted to identity and resolve any issues.

(Viii) Users Registration and Authentication (10 days):
This phase involves implementing uses segistration login bunctionality and password secovery.

(ix) Reporting and Analytics (15 days): Tools for analyzing booking trends and revenue will be developed.

(X) Documentation (10 days): Comptrehensive Users manuals and technical documentation will be prepared.

Tama Shil

- 11) Quality Assurance (25 days)
- Ongoing quality assurance efforts, including code reviews and testing will ensure system quality.
- 12) Deployment (5 days)

The system will be deployed to a production server, and the production environment will be configured.

- 13) Training (Ongoing)
 Staff and users will receive training on how to use system effectively.
- 19) Marcheting and Promotion (Ongoing)
 Streategies will be developed to attract
 user to the platform.
- 15) Maintenance and Support (Ongoing) Continuous system maintenance and technical support will be provided to ensure smooth operations.

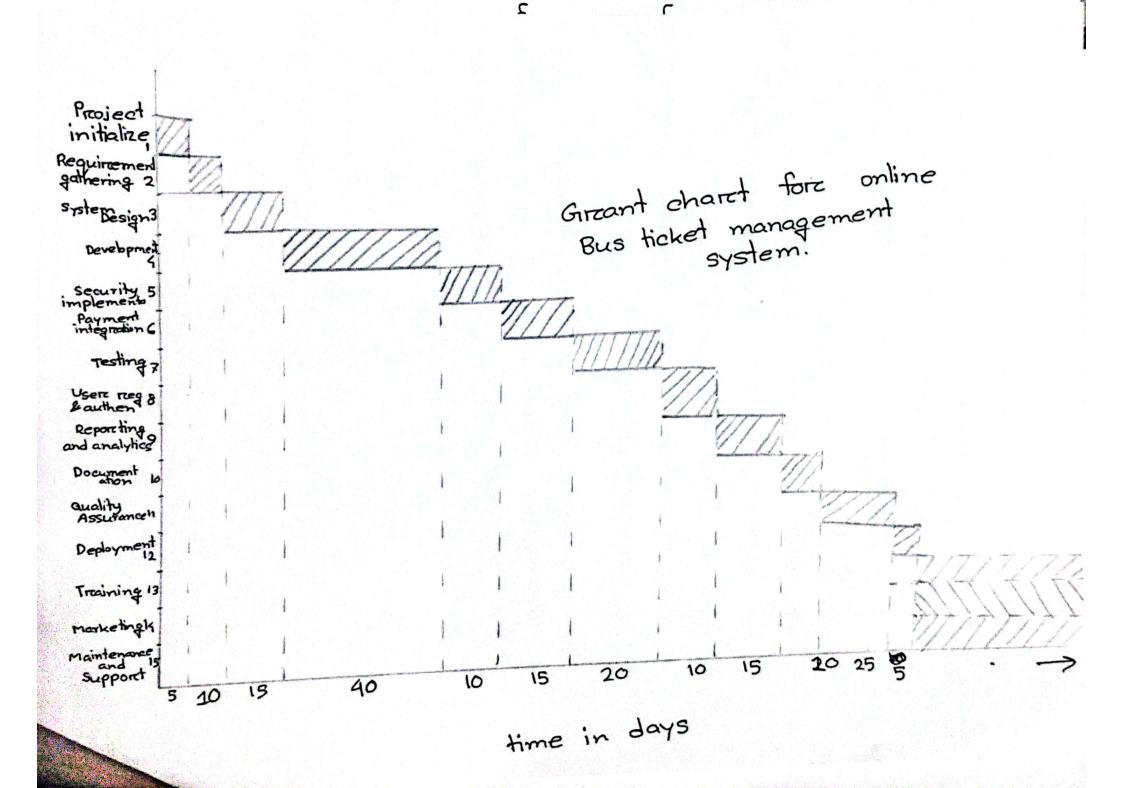
Crcitical Path

The creitical path fore this prediect includes tasks such as

- Requirement gathering
- -System Design
- -Development
- Testing
- Qualitity Assurance and
- Deployment.

Any delays in these ciritical path/tasks will directly impact the preciect's completion date.

The greant charct for online bus ticket management system is given below -



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Peret charel

A PERT chart is a diagream of preojects timeline and milestones It visually maps out an entite preoject so you can easily see milestones, timelines and who is tresponsible for what PERT stands for Preogream Evaluation and Review Technique

Creeding a PERT (Program Evaluation and Review Technique) chart fore an online bus ticket management system previect involves defining the previect's tasks, their dependencies and the estimated durations. Here's a simplified PERT chart fore this previect.

- 1. Project Initiation
 - Duration: 5 days
- 2. Requirements Grathering Durcation : 10 days.
- 3. System design outration: 15 days-

- 4. Development
 - Duration! 40 days
 - Dependency: system design.
- 5. security Implementation
 - Duration: lo days.
 - Dependency: Development
- C- Payment Integreation
 - Duration: 15 days.
- 7. Testing
 - Du reation: 20 days.
 - Dependency: Security Implementation, Devolopment
- 8. Usere Registration and Authentication
 - Durcation: la days.
 - Dependency: Payment Integration, Security implementation
- 9. Reporting and Analysis
 - Duration: 15 days
 - Dependency: Development.
- lo. Documentation
 - Duration: 10 days.
- 11. Quality Assurrance
 - Dunation: 15 days.
 - Dependency: Development, Testing.

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Experiment no-11:

12. Deployment

- Dureation: 5 days

- Dependency: Quality Assurance, Security Imple mentation

13. Marketing and Preomotion

- Durcation: Ongoing

14: Maintenance and support

- Durcation: Ongoing

In this pert chard:

- Each task is represented as a node - Arcrows indicate task dependencies, with the

predecessore to successore tasks.

The PERT charet for online bus ficket management system;

