2. CLASSIFICATION OF DESIGN PATTERNS 1. Coneational design patterns that of the 2. Etructural design patterns was the sunger of a fregist. 4. Architectural design patterns CREATIONAL DESIGN PATTERNS Hackory Construelor Coreational Design Patterns Builder Prototype Abstract boute of the structure change, the Decorator Structural Denga Patterns Design Hyright Chain of Reponshillety Behavioral Deign Patterns Monento Pattern State Rettern Strategy Pattern

Architectural Derign Patterns

Creational Design Patturns: 200 10 HOTTANG LORDS .

- * These patterns are used to provide a mechanism for creating to object in a specific situation without revealing the creation method
- * The normal approach for eventing an object might head to complexities in the design of a project.

 * These patterns allow flexibility in deciding which objects need to be

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* These patterns allow flexibility in deciding which objects need to be created for a specific use case by providing control over the creation process.

Structural Design Patterns:

- * These patterns are concerned with class object composition and relationships between objects.
- Hey let us add new functionalities to objects so that restructuring some parts of the system does not affect the rest.
- * Hence, when some faite of the structure change, the entire system does not need to change.

Behavioral design patterns: - " sur lander design

- * These patterns are concerned with communication between distinction objects in a system.
- * They streamline communication and ensure that the information is synchronized between such objects.

dischilectural design patterns:-

- * These patterns are used for whing architectural problems within a given context in software architecture.
- * It discussed above, design patterns play a major role in the structuring of an application and are of great use to a developer.

1 Parking Lot: -

- Singleton dengn pattern

- Abstract Factory dengen pattern 10 ATM:-

- Factory derign pattern.

Elevator Objetem s-

- Strategy derign pattern

- State dergn pattern

- Delegation dingn pattern

Library Management System: -

- Factory derign fattern

- Delegation design fattern

- Observer denge fattern.

Amazon Locker Service:-

- Strategy derign pattern

- Repository design pattern

(5) Vending Machine:-

- State derign fattern

- Dingleton dengen pattern

6 Online Blackjack Game:-

- Stevator dengen pattern - State dengen pattern.

(2) Meeting Schedulen:-

- Singleton derign pattern

(8) Movie Ticket Booking System: -

- Strategy derign pattern.

@ Denger of Car Pertal System :-

- Decorator derign fattern

- Singleton derign pattern.

(1) Chers Game:

- Singleton derign pattern

- Command derign pattern.

(12) Hotel Management System:-

- Strategy derign pattern

- Singleton derign pattern

- Factory dengen pattern.

(3) Amazon Orline Shoffing Systems

- Factory design pattern

- Strategy design fattern

(4) Stack Overflow?-

- Observer dengen pattern

(B) Restawant Management System:

- Singleton denge pattern

- Factory dengen pattern

Facebook

- Observer deign pattern

(7) Stock Brokerage System

- Singleton derign pattern

- Observer derign pattern.

(B) Jigsaw Puzzle

- Dingleton dengen pattern

(19) divline Management System - Dingliton dengn pattern - Observer dengn pattern © Cricinfo - Factory design pattern (21) Linked 4n - Observer denge pattern And the Management (Set 19) and ing with the pullet the me of metals militaries on they organic walker water of the pattern with a factor within cognitive (5) - dutay duly patien with replace grantes -- Linda Marie Lastle (6) mulling regular resuments . miller winds that we may Manager A London (3) and by against antiquelle median which policy andreg rejulo diales in - Oleman daily parame And the second s And the second s gentile Tales and Federal Section (1995) AND THE RESERVE OF THE PARTY OF