

ACTIVITY DIAGRAM

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WHAT IS ACTIVITY DIAGRAM?

- Describe the flow of control of the target system, such as the exploring complex business rules and operations, describing the use case also the business process.
- A typical business process which synchronizes several external incoming events can be represented by activity diagrams.
- They are most useful for understanding work flow analysis of synchronous behaviors across a process.




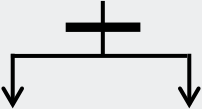
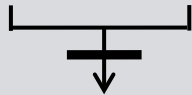
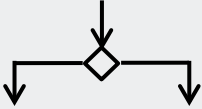
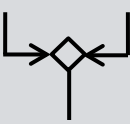


WHY ACTIVITY DIAGRAM?

- Activity is a particular operation of the system. Activity diagrams are not only used for visualizing dynamic nature of a system but they are also used to construct the executable system by using forward and reverse engineering techniques.
- High level understanding of the system's functionalities.
- Investigate business requirements at a later stage.

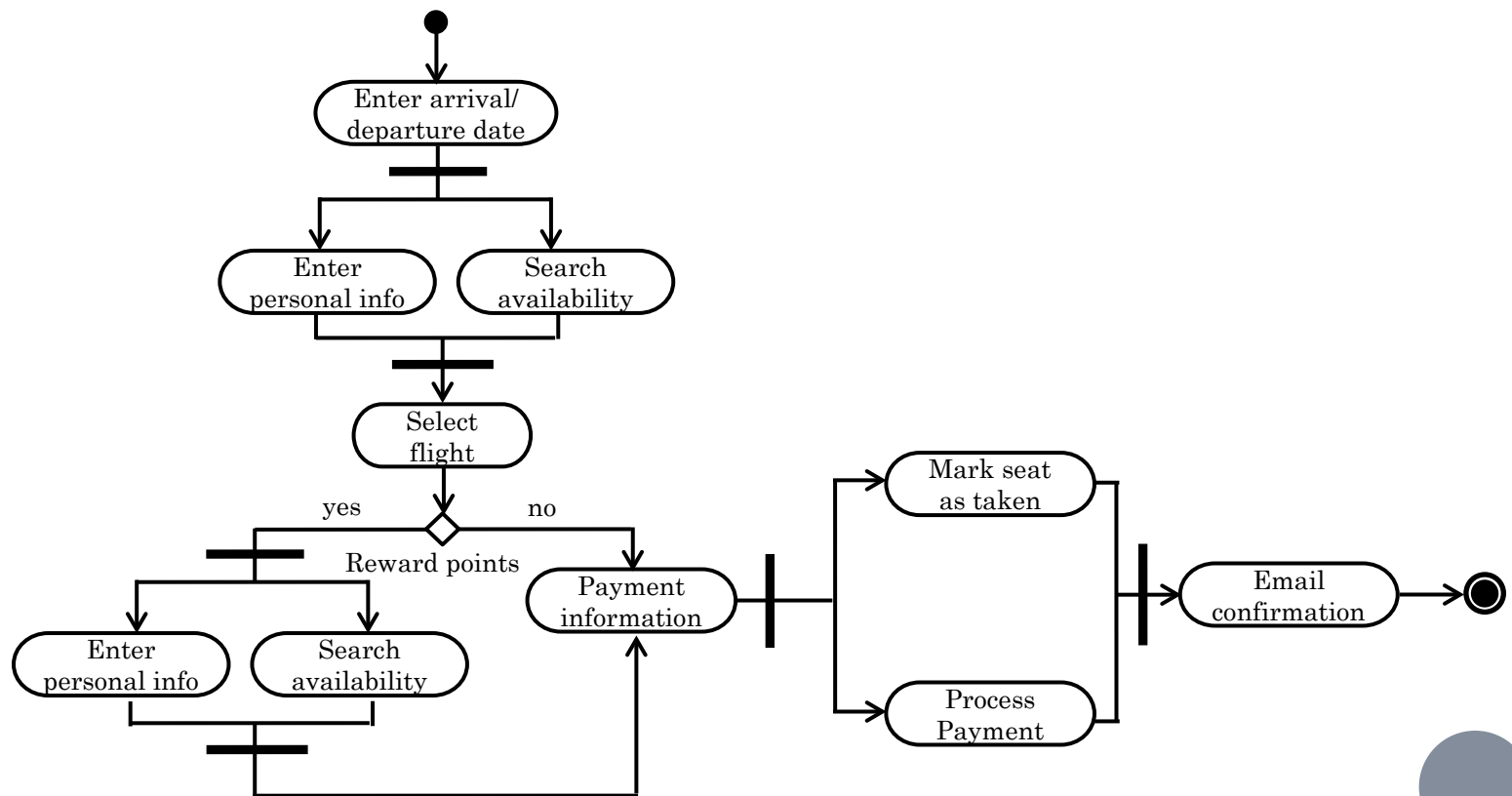


ACTIVITY DIAGRAM

Symbol	Name	Description
	Start state	Used for starting the initial activity
	End state	Termination of the activities
	Activity	Used to represent different activities in the system
	Fork	A fork is used when multiple activities are occurring at the same time.
	Join	Used for combining multiple concurrent activities
	Branch	Describes what activities will take place based on a set of conditions.
	Merge	All branches at some point are followed by a merge to indicate the end of the conditional behavior started by that branch

EXAMPLE: ACTIVITY DIAGRAM

○ Air Ticket Booking System

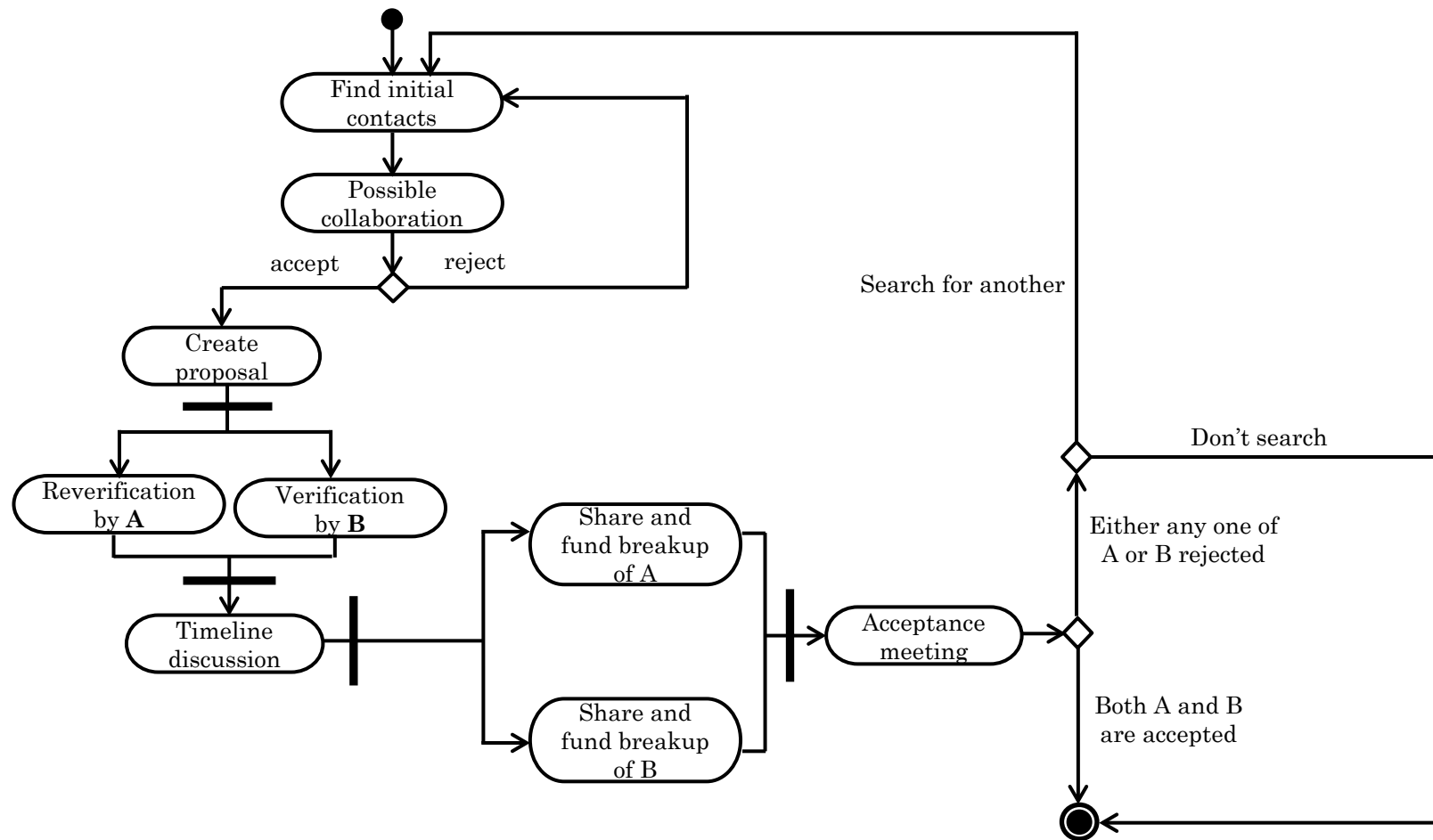


ASSIGNMENT: BUSINESS PROPOSAL

- Let there is a company A, which wants to float a business proposal with company B.
- Draw the activity diagram
- Remember
 - The proposal of company A may be rejected by any company B at initial phase, if company B thinks the collaboration is not possible
 - Final decision should be taken after a final acceptance meeting that whether the collaboration is possible at all or not



SOLUTION: BUSINESS PROPOSAL



THANK YOU

