outen	ays			Exclusive Gateway	Inclusive Gateway
Gateways can define all types of business process Sequuence Flow behaviour: Decision/ branching (exclussive, inclussive and complex), merging, forking and joining. Basic Gateways - Exclussive Gateway – allows to express decissions - Parallel Gateway – allows to express parllelism				<ul> <li>Has one or more input flows, and two or more output flows</li> <li>Each outputflow has a condition and set of conditions must mutually exclussive; the first one that evaluates TRUE will determine the Sequence Flow to be taken</li> <li>only one gateway can be chosen;</li> <li>one of the Gates may be "default"</li> </ul>	<ul> <li>Splitting – each output flow has a on ALL the output flows whose considered on ALL the output flows whose constrained on ALL the output flows</li></ul>
	Туре	Input - merging	Output - splitting	condition Is Junk Message	<ul> <li>Depending on what has been choose</li> <li>Play(s) Slideshow or both</li> </ul>
	Exclusiv	e Passes on each incoming token	Single token to outgoing flow whose condition is true	Get Mail Message	When ALL media has finished play
$\overline{(+)}$	Parallel	Waits for token on <i>all</i> incoming flows	Token to <i>all</i> outgoing flows	default - if none of the Message	Music P
					Slideshow
Extend	ded Gatev	ways		Parallel Gateway	Slideshow Slideshow
Extend	ded Gatev	Ways Input - merging	Output - splitting	Parallel Gateway <ul> <li>has one or more inputs and two or more otput flows</li> <li>it waitsfor a token on all input flows (join), then emits a token</li> </ul>	Slideshow S Slideshow S Complex Gateways - Splitting – has an associated Incom - Merging – has an associated Outgo
Extenc	ded Gatev Type Inclusive	Ways Input - merging Waits for token on one to all incoming flows depending on flow conditions	Output - splitting Token to one to all outgoing flows depending on flow conditions	Parallel Gateway <ul> <li>has one or more inputs and two or more otput flows</li> <li>it waitsfor a token on all input flows (join), then emits a toke of its output flows</li> </ul>	Slideshow S Complex Gateways - Splitting – has an associated Incom - Merging – has an associated Outgo Incoming Condition: If Method == Usemame Then Get Usemame
Extence O	ded Gatev Type Inclusive Complex	Ways Input - merging Waits for token on one to all incoming flows depending on <i>flow</i> conditions Waits for token on one to all incoming flows depending on continue and the	Output - splitting         Token to one to all outgoing flows depending on flow conditions         Token to one to all outgoing flows depending on Gateway conditions	<ul> <li>Parallel Gateway         <ul> <li>has one or more inputs and two or more otput flows</li> <li>it waitsfor a token on all input flows (join), then emits a toke of its output flows</li> </ul> </li> <li>fork flow         <ul> <li>Plan Course Delivery             <ul></ul></li></ul></li></ul>	en on all Complex Gateways - Splitting – has an associated Incom - Merging – has an associated Outgo Incoming Condition: If Method == Username Then Get Username Get Password Else Get Biometrics Get Username Get Username Get Username
Extence	ded Gatev Type Inclusive Complex	Ways Input - merging Waits for token on one to all incoming flows depending on <i>flow</i> conditions Waits for token on one to all incoming flows depending on <i>Gateway</i> condition	Output - splitting         Token to one to all outgoing flows depending on flow conditions         Token to one to all outgoing flows depending on <i>Gateway</i> condition	<ul> <li>Parallel Gateway         <ul> <li>has one or more inputs and two or more otput flows</li> <li>it waitsfor a token on all input flows (join), then emits a toke of its output flows</li> </ul> </li> <li>fork flow         <ul> <li>Plan Course Delivery             <ul></ul></li></ul></li></ul>	en on all - Splitting – has an associated Incom - Merging – has an associated Outg Incoming Condition: If Method == Username Get Password Else Get Biometrics Get Disername Get Password Else Get Biometrics Get B
Extence	ded Gatev Type Inclusive Complex	Ways Input - merging Waits for token on one to all incoming flows depending on <i>flow</i> conditions Waits for token on one to all incoming flows depending on <i>Gateway</i> condition	Output - splitting         Token to one to all outgoing flows depending on flow conditions         Token to one to all outgoing flows depending on <i>Gateway</i> condition	<ul> <li>Parallel Gateway         <ul> <li>has one or more inputs and two or more otput flows</li> <li>it waitsfor a token on all input flows (join), then emits a toke of its output flows</li> </ul> </li> <li>fork flow         <ul> <li>Plan Course Delivery             <ul></ul></li></ul></li></ul>	en on all  Complex Gateways  Slideshow  Get Usename  Get Vsemame Get Password  Else GetBiometrics  Get Disemame Get Password  Get Usename Get Password  Get Usename Get Get Get Get Get Get Get Get Get Ge
Extence () () () () () () () () () ()	ded Gatev Type Inclusive Complex	Ways Input - merging Waits for token on one to all incoming flows depending on <i>flow</i> conditions Waits for token on one to all incoming flows depending on <i>Gateway</i> condition	Output - splitting         Token to one to all outgoing flows depending on flow conditions         Token to one to all outgoing flows depending on <i>Gateway</i> condition	<ul> <li>Parallel Gateway         <ul> <li>has one or more inputs and two or more otput flows</li> <li>it waitsfor a token on all input flows (join), then emits a toke of its output flows</li> </ul> </li> <li>fork flow         <ul> <li></li></ul></li></ul>	en on all Complex Gateways - Splitting – has an associated Incor - Merging – has an associated Outg Incoming Condition: If Method = Username Get Password Else Get Biometrics Get Bio





