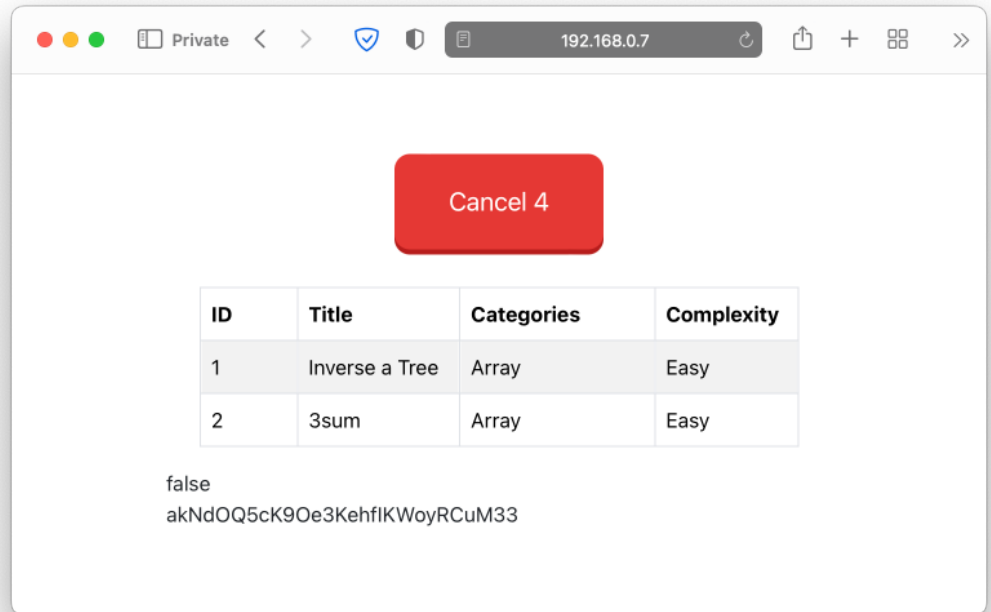
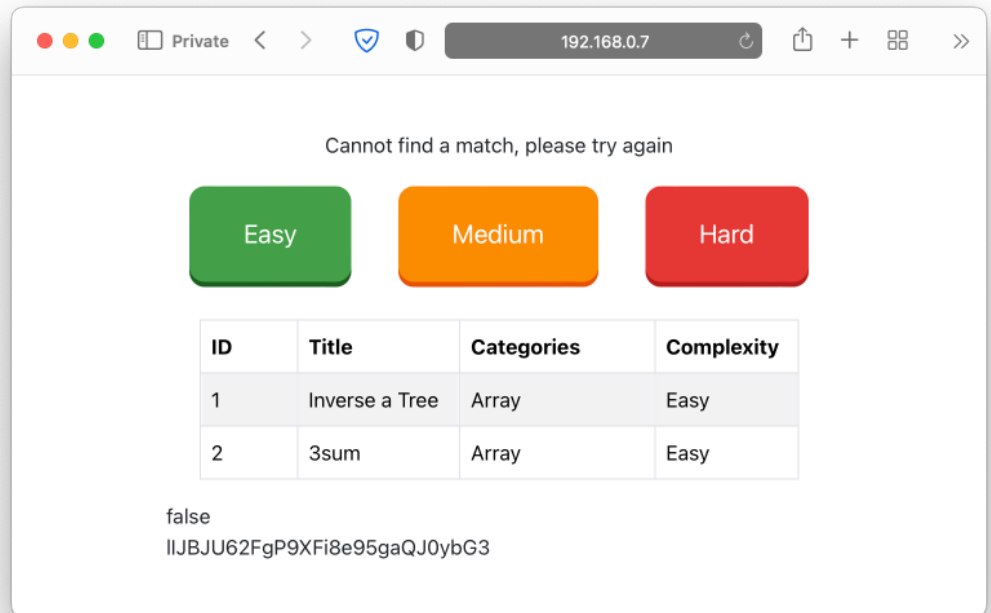


- Screenshot of the view layer/front end showing
 - The timer



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-
- Feedback message on unsuccessful match



- Debug/log message showing indicating the status of the queue before and after match.

This screenshot shows the RabbitMQ management interface at 2023-11-06 23:15:27. The 'Queues' tab is selected, and a filter 'as5-prod' is applied. The table below lists five queues, all of which are in an 'idle' state with zero messages.

Virtual host	Name	Type	Features	State	Ready	Unacked	Total	incoming	deliver / get	ack
/	cancelMatchmaking-as5-prod	classic	AWNS-DEFAULT-POLICY-SINGLE-INSTANCE	idle	0	0	0	0.00/s	0.00/s	0.00/s
/	easy-as5-prod	classic	AWNS-DEFAULT-POLICY-SINGLE-INSTANCE	idle	0	0	0			
/	hard-as5-prod	classic	AWNS-DEFAULT-POLICY-SINGLE-INSTANCE	idle	0	0	0			
/	matched-as5-prod	classic	AWNS-DEFAULT-POLICY-SINGLE-INSTANCE	idle	0	0	0	0.00/s	0.00/s	0.00/s
/	medium-as5-prod	classic	AWNS-DEFAULT-POLICY-SINGLE-INSTANCE	idle	0	0	0			

Screenshot 2023-11-06 at 11 15 29 PM

This screenshot shows the RabbitMQ management interface at 2023-11-06 23:21:52. The 'Queues' tab is selected, and the filter 'as5-prod' is still applied. The table below shows the same five queues. The 'easy-as5-prod' queue is now in a 'running' state, with 3 unacked messages and a message rate of 0.20/s.

Virtual host	Name	Type	Features	State	Ready	Unacked	Total	incoming	deliver / get	ack
/	cancelMatchmaking-as5-prod	classic	AWNS-DEFAULT-POLICY-SINGLE-INSTANCE	idle	0	0	0	0.00/s	0.00/s	0.00/s
/	easy-as5-prod	classic	AWNS-DEFAULT-POLICY-SINGLE-INSTANCE	running	0	3	3	0.00/s	0.00/s	0.20/s
/	hard-as5-prod	classic	AWNS-DEFAULT-POLICY-SINGLE-INSTANCE	idle	0	0	0			
/	matched-as5-prod	classic	AWNS-DEFAULT-POLICY-SINGLE-INSTANCE	idle	0	0	0	0.00/s	0.00/s	0.00/s
/	medium-as5-prod	classic	AWNS-DEFAULT-POLICY-SINGLE-INSTANCE	idle	0	0	0			

Screenshot 2023-11-06 at 11 21 53 PM

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assignment_5_socket_server      RabbitMQ initialized successfully
assignment_5_socket_server      get match
assignment_5_socket_server      Message sent to queue "easy-as5-prod": {"userId":"TuhLXEze6-MkJ89fAAAC"}
assignment_5_matching_service   { queue: 'easy-as5-prod', messageCount: 0, consumerCount: 1 }
assignment_5_matching_service   { queue: 'easy-as5-prod', messageCount: 0, consumerCount: 1 }
assignment_5_matching_service   retry in 1s
assignment_5_socket_server      get match
assignment_5_socket_server      Message sent to queue "easy-as5-prod": {"userId":"p4KzAHa66LSYU0NKAAAF"}
assignment_5_matching_service   { queue: 'easy-as5-prod', messageCount: 1, consumerCount: 1 }
assignment_5_matching_service   matched
assignment_5_matching_service   acked
assignment_5_matching_service   [
assignment_5_matching_service     { userId: 'TuhLXEze6-MkJ89fAAAC' },
assignment_5_matching_service     { userId: 'p4KzAHa66LSYU0NKAAAF' }
assignment_5_matching_service   ]
assignment_5_matching_service   Message sent to queue "matched-as5-prod": {"players":[{"userId":"TuhLXEze6-MkJ89fAAAC"}, {"userId":"p4KzAHa66LSYU0NKAAAF"}], "difficulty": "easy"}
assignment_5_socket_server      {
assignment_5_socket_server        players: [
assignment_5_socket_server          { userId: 'TuhLXEze6-MkJ89fAAAC' },
assignment_5_socket_server          { userId: 'p4KzAHa66LSYU0NKAAAF' }
assignment_5_socket_server        ],
assignment_5_socket_server        difficulty: 'easy'
assignment_5_socket_server      } { queue: 'matched-as5-prod', messageCount: 0, consumerCount: 2 }
assignment_5_socket_server      disconnecting... amq.ctag-16j6xm9hswPJTvkK2SzcQ
assignment_5_socket_server      User disconnected with socket ID: TuhLXEze6-MkJ89fAAAC
assignment_5_socket_server      User connected with socket ID: aZnkgA-LXwQNsAEBAAAI
assignment_5_socket_server      RabbitMQ initialized successfully
assignment_5_socket_server      get match
assignment_5_socket_server      Message sent to queue "easy-as5-prod": {"userId":"aZnkgA-LXwQNsAEBAAAI"}
assignment_5_matching_service   { queue: 'easy-as5-prod', messageCount: 0, consumerCount: 1 }
assignment_5_matching_service   { queue: 'easy-as5-prod', messageCount: 0, consumerCount: 1 }
assignment_5_matching_service   retry in 1s
assignment_5_matching_service   { queue: 'easy-as5-prod', messageCount: 0, consumerCount: 1 }
assignment_5_matching_service   retry in 1s
assignment_5_socket_server      disconnecting... amq.ctag-16j6xm9hswPJTvkK2SzcQ
assignment_5_socket_server      User disconnected with socket ID: p4KzAHa66LSYU0NKAAAF
assignment_5_socket_server      User connected with socket ID: t3ZaQCPde1b_ki_tAAAL
assignment_5_socket_server      RabbitMQ initialized successfully
assignment_5_matching_service   { queue: 'easy-as5-prod', messageCount: 0, consumerCount: 1 }
assignment_5_matching_service   retry in 1s
assignment_5_socket_server      get match
assignment_5_socket_server      Message sent to queue "easy-as5-prod": {"userId":"t3ZaQCPde1b_ki_tAAAL"}
assignment_5_matching_service   { queue: 'easy-as5-prod', messageCount: 1, consumerCount: 1 }
assignment_5_matching_service   matched
assignment_5_matching_service   acked
assignment_5_matching_service   [
assignment_5_matching_service     { userId: 'aZnkgA-LXwQNsAEBAAAI' },
assignment_5_matching_service     { userId: 't3ZaQCPde1b_ki_tAAAL' }
assignment_5_matching_service   ]
assignment_5_matching_service   Message sent to queue "matched-as5-prod": {"players":[{"userId":"aZnkgA-LXwQNsAEBAAAI"}, {"userId":"t3ZaQCPde1b_ki_tAAAL"}], "difficulty": "easy"}
assignment_5_socket_server      {
assignment_5_socket_server        players: [
assignment_5_socket_server          { userId: 'aZnkgA-LXwQNsAEBAAAI' },
assignment_5_socket_server          { userId: 't3ZaQCPde1b_ki_tAAAL' }
assignment_5_socket_server        ],
assignment_5_socket_server        difficulty: 'easy'
assignment_5_socket_server      } { queue: 'matched-as5-prod', messageCount: 0, consumerCount: 4 }

```

Screenshot 2023-11-06 at 11 17 11 PM

- Name the file G33_Assignment-5.pdf (e.g., G04_Assignment-5.pdf)