

Compte Rendu TP2

SOA/SOAP avec Java (Spring-WS)

Obtenir un compte

The screenshot shows the Postman application interface. The left sidebar includes sections for Collections, Environments, History, Flows, and Files. The main area displays a collection named "My Collection" with a "Get data" GET request and a "Post data" POST request. The current view is focused on the "Post data" request, which is set to "POST" and points to "http://localhost:8080/ws". The "Body" tab is selected, showing the following XML payload:

```
1 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
2   <soapenv:Header>
3     <soapenv:Body>
4       <ban:GetAccountRequest>
5         <ban:accountId>A100</ban:accountId>
6       </ban:GetAccountRequest>
7     </soapenv:Body>
8   </soapenv:Envelope>
9
10
```

The response section shows a successful 200 OK status with a response time of 380 ms and a size of 638 B. The response body is displayed as XML:

```
1 <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
2   <SOAP-ENV:Header/>
3   <SOAP-ENV:Body>
4     <ns2:GetAccountResponse xmlns:ns2="http://example.com/bank">
5       <ns2:account>
6         <ns2:accountId>A100</ns2:accountId>
7         <ns2:owner>Alice</ns2:owner>
8         <ns2:balance>150.00</ns2:balance>
9         <ns2:currency>TND</ns2:currency>
10      </ns2:account>
11    </ns2:GetAccountResponse>
```

Dépôt

ajouter un amount

The screenshot shows a REST API testing interface. On the left, there's a sidebar with 'Collections', 'Environments', 'History', 'Flows', and 'Files' (BETA). The main area has tabs for 'New' and 'Import'. A collection named 'My Collection' is selected, containing a 'GET Get data' and a 'POST Post data' endpoint. The 'POST Post data' endpoint is selected, showing a POST request to 'http://localhost:8080/ws'. The 'Body' tab displays the XML payload:

```

1 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
2   <soapenv:Header>
3     <ban:Header>
4       <ban:DepositRequest>
5         <ban:accountId>A100</ban:accountId>
6         <ban:amount>20.00</ban:amount>
7       </ban:DepositRequest>
8     </ban:Header>
9   </soapenv:Header>
10  <soapenv:Body>
11    <ban:DepositResponse>
12      <ban:accountId>A100</ban:accountId>
13      <ban:amount>20.00</ban:amount>
14    </ban:DepositResponse>
15  </soapenv:Body>
16</soapenv:Envelope>

```

The response shows a 200 OK status with a timestamp of 26 ms and a size of 516 B. The XML response body is:

```

1 <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
2   <SOAP-ENV:Header>
3   <SOAP-ENV:Body>
4     <ns2:DepositResponse xmlns:ns2="http://example.com/bank">
5       <ns2:newBalance>170.00</ns2:newBalance>
6     </ns2:DepositResponse>
7   </SOAP-ENV:Body>
8 </SOAP-ENV:Envelope>

```

Défaut (montant <= 0) on peut pas ajouter un amount négatif

The screenshot shows a REST API testing interface, identical to the one above but with a different result. The 'POST Post data' endpoint is selected, showing a POST request to 'http://localhost:8080/ws'. The 'Body' tab displays the XML payload, which is identical to the successful one above:

```

1 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
2   <soapenv:Header>
3     <ban:Header>
4       <ban:DepositRequest>
5         <ban:accountId>A100</ban:accountId>
6         <ban:amount>-5</ban:amount>
7       </ban:DepositRequest>
8     </ban:Header>
9   </soapenv:Header>
10  <soapenv:Body>
11    <ban:DepositResponse>
12      <ban:accountId>A100</ban:accountId>
13      <ban:amount>-5</ban:amount>
14    </ban:DepositResponse>
15  </soapenv:Body>
16</soapenv:Envelope>

```

The response shows a 500 Internal Server Error with a timestamp of 23 ms and a size of 521 B. The XML response body is:

```

1 <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
2   <SOAP-ENV:Header/>
3   <SOAP-ENV:Body>
4     <SOAP-ENV:Fault>
5       <faultcode>SOAP-ENV:Client</faultcode>
6       <faultstring xml:lang="en">Amount must be &gt; 0</faultstring>
7     </SOAP-ENV:Fault>
8   </SOAP-ENV:Body>
9 </SOAP-ENV:Envelope>

```