

## Task 1

Install Advanced REST client in Chrome

- Go to this address - <https://news.s7.ru/news/> , the page with news will open
- See what request is sent when you enter text in the search bar
- Using the Advanced REST client, make a request that searches for news articles using the phrase "flight" and return 20 news articles

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Request URL:	<a href="https://news.s7.ru/api/NewsDocuments/Get">https://news.s7.ru/api/NewsDocuments/Get</a>
Request Method:	POST
Status Code:	● 200
Remote Address:	104.126.36.251:443
Referrer Policy:	strict-origin-when-cross-origin

Method - POST

<https://news.s7.ru/api/NewsDocuments/Get>

```
{  
  "searchPhrase": "flight",  
  "skip": 0,  
  "take": 20,  
  "sortings": []  
}
```

## Task 2

Install Soap UI

- Connect to the CBR service:

<http://www.cbr.ru/DailyInfoWebServ/DailyInfo.asmx>

- Requests will need to be made to get the following information:

Get the news from the 1st to the 15th of the previous month

Inclusive;

Get the dynamics of the Japanese yen exchange rate for the last month.

-

Get news from the 1st to the 15th of April inclusive.  
GET method, NewsInfo request.

The screenshot displays a SOAP client interface with two panels. The left panel shows the request structure, and the right panel shows the raw XML response.

**Request Structure (Left Panel):**

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://web.cbr.ru">
  <soapenv:Header>
  </soapenv:Header>
  <soapenv:Body>
    <web:NewsInfo>
      <web:FromDate>2023-04-01</web:FromDate>
      <web:ToDate>2023-04-15</web:ToDate>
    </web:NewsInfo>
  </soapenv:Body>
</soapenv:Envelope>
  
```

**Raw XML Response (Right Panel):**

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema" xmlns:mdata="http://schemas.xmlsoap.org/microsoft-com:xml-schema" xmlns:diffgr="urn:schemas-diffgram" xsi:base="urn:schemas-diffgram" xmlns:newsinfo="http://web.cbr.ru">
  <soap:Body>
    <NewsInfoResponse xmlns="http://web.cbr.ru">
      <NewsInfoResult>
        <xsi:schema id="NewsInfo" xmlns:xsi="http://www.w3.org/2001/XMLSchema" xmlns:mdata="http://schemas.xmlsoap.org/microsoft-com:xml-schema" data-isDataSel="true" data-useCurrentLocale="true">
          <xsi:complexType>
            <xsi:choice minOccurs="0" maxOccurs="unbounded">
              <xsi:element name="News">
                <xsi:complexType>
                  <xsi:sequence>
                    <xsi:element name="Doc_id" type="xs:string" minOccurs="0"/>
                    <xsi:element name="DocDate" type="xs:dateTime" minOccurs="0"/>
                    <xsi:element name="Title" type="xs:string" minOccurs="0"/>
                    <xsi:element name="Url" type="xs:string" minOccurs="0"/>
                  </xsi:sequence>
                </xsi:complexType>
              </xsi:element>
            </xsi:choice>
          </xsi:complexType>
        </xsi:element>
      </NewsInfoResult>
    </NewsInfoResponse>
  </soap:Body>
</soap:Envelope>
  
```

The response contains a list of news items, each with a Doc\_id, DocDate, Title, and Url. The titles are in Russian, mentioning various banks and financial institutions.

Get the dynamic of the JPY exchange rate for the month of April.  
GET method, EnumValutes request

The screenshot displays a SOAP client interface with two panels. The left panel shows the request structure, and the right panel shows the raw XML response.

**Request Structure (Left Panel):**

```

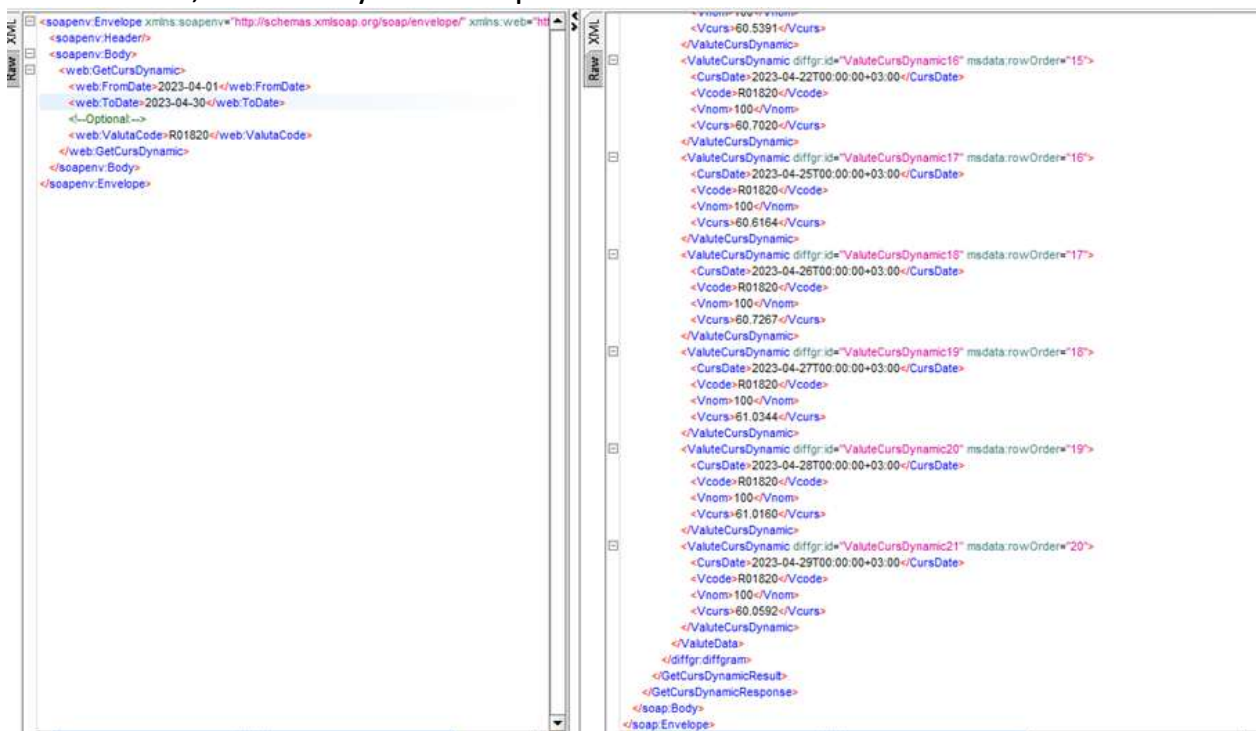
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <soapenv:Header>
  </soapenv:Header>
  <soapenv:Body>
    <web:EnumValutesXML>
      <web:Sell>false</web:Sell>
    </web:EnumValutesXML>
  </soapenv:Body>
</soapenv:Envelope>
  
```

**Raw XML Response (Right Panel):**

```

<EnumValutes>
  <Vcode>R01810</Vcode>
  <Vname>Южноафриканский рэнд</Vname>
  <VEngname>S.African Rand</VEngname>
  <Vnom>10</Vnom>
  <VcommonCode>R01810</VcommonCode>
  <VnumCode>710</VnumCode>
  <VcharCode>ZAR</VcharCode>
</EnumValutes>
<EnumValutes>
  <Vcode>R01815</Vcode>
  <Vname>Вон Республики Корея</Vname>
  <VEngname>South Korean Won</VEngname>
  <Vnom>1000</Vnom>
  <VcommonCode>R01815</VcommonCode>
  <VnumCode>410</VnumCode>
  <VcharCode>KRW</VcharCode>
</EnumValutes>
<EnumValutes>
  <Vcode>R01820</Vcode>
  <Vname>Японская иена</Vname>
  <VEngname>Japanese Yen</VEngname>
  <Vnom>100</Vnom>
  <VcommonCode>R01820</VcommonCode>
  <VnumCode>392</VnumCode>
  <VcharCode>JPY</VcharCode>
</EnumValutes>
</ValuteData>
</EnumValutesXMLResult>
</EnumValutesXMLResponse>
  
```

Dynamics of the JPY exchange rate for April.  
GET method, GetCursDynamic request.



### Task 3

Use Chrome DevTools for <https://news.s7.ru/news>

- Explore that page, see what requests are sent, on what actions and why, what data is sent and received. And make a document that lists it all
- For each request and response you need to include following information: address, GET/POST method, format of data sent, format of data in the response.

-

1.

Request URL:	https://news.s7.ru/locales/menu.ru.json
Request Method:	GET
Status Code:	200
Remote Address:	104.126.36.195:443
Referrer Policy:	strict-origin-when-cross-origin

Transmitted parameters:

```
agentAnswers: "Agent Answers"
authorisedSalesOffices: "Authorised Agents"
bankDetails: "Bank details for revenue transfer"
catalogueGeography: "Directory of Geography"
confidentialFares: "ConfidentialFares Memos"
finances: "Finances"
financialGuarantee: "All About Financial Guarantee"
individualNews: "Individual News"
information: "Information"
instructions: "Work instructions"
loyalty: "Motivation"
management: "Administration"
newInTechnologies: "New in Technology"
news: "News"
newsAndTechnologies: "News and Technologies"
operationalActivity: "Operational work"
other: "Other"
reference: "Reference information"
s7Representatives: "S7 Representative Offices"
s7contacts: "S7 Contacts"
specialConditions: "Special Conditions"
technologies: "Technologies"
webinars: "Webinars"
workflows: "Business processes"
}
```

### The response:

```
{
  "technologies": "Technologies",
  "news": "News",
  "newInTechnologies": "New In Technologies",
  "individualNews": "Individual News",
  "agentAnswers": "Agent Answers",
  "reference": "Reference",
  "s7contacts": "S7 Contacts",
  "webinars": "Webinars",
  "authorisedSalesOffices": "Authorised Sales Offices",
  "s7Representatives": "S7 Representatives",
  "catalogueGeography": "Catalogue of Geography",
```

```
"bankDetails": "Bank details for transfer of proceeds",
"financialGuarantee": "All about financial security",
"confidentialFares": "Confidential Fares Memos",
"instructions": "Operating Instructions",
"finances": "Finances",
"operationalActivity": "Operational work",
"workflows": "Business Processes",
"specialConditions": "Special Conditions",
"loyalty": "Motivation",
"management": "Administration",
"other": "Other".
}
```

2.

URL Запроса:	https://news.s7.ru/api/Attachments/GetAttachments/18174
Метод Запроса:	GET
Код Статуса:	● 200
Удаленный Адрес:	2.19.193.136:443
Правило Для URL Перехода:	strict-origin-when-cross-origin

**Transmitted parameters:**

email: null - user's email address

isLoggedIn: false - is the user authorised or not

isLogined: false - is the the user authorised or not

userName: null - user name

**Response:**

```
{"userName":null,"email":null,"isLogined":false,"isLoggedIn":false}
```

4.

▼ Общие	
URL Запроса:	https://news.s7.ru/api/NewsDocuments/Get
Метод Запроса:	POST
Код Статуса:	● 200
Удаленный Адрес:	95.100.146.32:443
Правило Для URL Перехода:	strict-origin-when-cross-origin

**Transmitted parameters:**

searchPhrase: "" - search phrase

skip: 0 - skip 0 (data, number, etc.)  
sortings: [] - parameters of the sorting  
take: 16 - load 16 news

## Response:

```
{
  { "items": [ - list of items
    {
      "id": 18174, - news number
      "title": "New S7 flights on the Moscow-Arkhangelsk route", - news
title
      "description": "Moscow-Arkhangelsk flights will be operated 5 times a
day from 01.05.2023", - news description
      "moduleId": null, module number
      "moduleNameRu": null, - module name in Russian
      "moduleNameEn": null, - module name in English
      "category": { "category":
        "id": 4, - number
        "name": null, - name
        "colour": "23B6BE" - color
      }
    }
  ]
}
```