Documentation of Web Services:

1. **Create a user:**

   URL: http://localhost:8080/bidengine/webapi/bidservices/user
   Method: POST
   TestCaseMethod: public void testCreate()

2. **Create a bid item:**

   URL: http://localhost:8080/bidengine/webapi/bidservices/biditem
   Method: POST
   TestCase Method: public void testBidItemCreate()

3. **Get a list of all bid items:**

   URL: http://localhost:8080/bidengine/webapi/bidservices/biditems
   Method: GET

Sample Output:
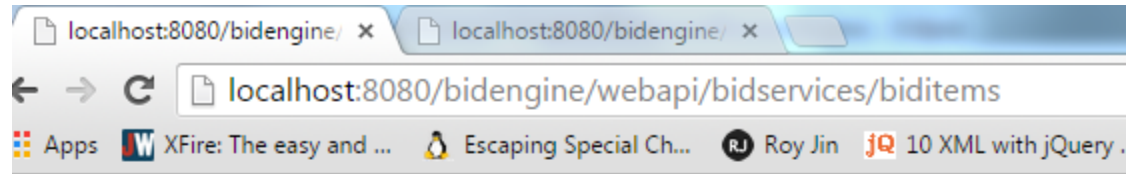
```
<bidItems>
<bidItem>
<bidCriteria>2</bidCriteria>
<bidFinalPrice>300000.0</bidFinalPrice>
<bidStartTime>2015-11-23T12:22:34.617+05:30</bidStartTime>
<hoursToBid>0</hoursToBid>
<itemID>8d207b39b3826880d91f53e2b1eeb8ed</itemID>
<itemName>iphone7s</itemName>
<itemOwnerUser>Rohit</itemOwnerUser>
<itemPrice>200007.0</itemPrice>
</bidItem>
………………………………………
<bidItem>
<bidCriteria>2</bidCriteria>
<bidFinalPrice>300000.0</bidFinalPrice>
<bidStartTime>2015-11-23T12:22:34.551+05:30</bidStartTime>
<hoursToBid>0</hoursToBid>
<itemID>4ddcd42de0cf5842a825baa445637e9d</itemID>
<itemName>iphone3s</itemName>
<itemOwnerUser>Rohit</itemOwnerUser>
<itemPrice>200003.0</itemPrice>
</bidItem>
<bidItem>
<bidCriteria>2</bidCriteria>
<bidFinalPrice>300000.0</bidFinalPrice>
<bidStartTime>2015-11-23T12:22:34.523+05:30</bidStartTime>
<hoursToBid>0</hoursToBid>
```

```
<itemID>9e6c2e70ce2c9450d7ee375d7334578</itemID>
<itemName>iphone1s</itemName>
<itemOwnerUser>Rohit</itemOwnerUser>
<itemPrice>3400000.0</itemPrice>
</bidItem>
```



```
▼<bidItems>
  ▼<bidItem>
      <bidCriteria>2</bidCriteria>
      <bidFinalPrice>300000.0</bidFinalPrice>
      <bidStartTime>2015-11-23T12:22:34.617+05:30</bidStartTime>
      <hoursToBid>0</hoursToBid>
      <itemID>8d207b39b3826880d91f53e2b1eeb8ed</itemID>
      <itemName>iphone7s</itemName>
      <itemOwnerUser>Rohit</itemOwnerUser>
      <itemPrice>200007.0</itemPrice>
  </bidItem>
  ▼<bidItem>
      <bidCriteria>2</bidCriteria>
      <bidFinalPrice>300000.0</bidFinalPrice>
      <bidStartTime>2015-11-23T12:22:34.633+05:30</bidStartTime>
      <hoursToBid>0</hoursToBid>
      <itemID>86b5873e9df1a976da1b47161aa2d7e</itemID>
      <itemName>iphone8s</itemName>
      <itemOwnerUser>Rohit</itemOwnerUser>
      <itemPrice>200008.0</itemPrice>
  </bidItem>
```

4. **Get details about a bid item by its ItemID:**

    URL:
    http://localhost:8080/bidengine/webapi/bidservices/biditem/bidItemID
    Method: GET
    TestCase Method: public void getBidItemDetails()

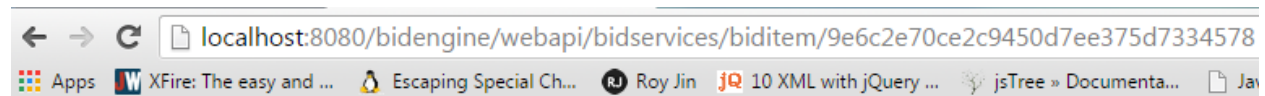Sample Output:
```
<bidItem>
<bidCriteria>2</bidCriteria>
<bidFinalPrice>300000.0</bidFinalPrice>
<bidStartTime>2015-11-23T12:22:34.523+05:30</bidStartTime>
<hoursToBid>0</hoursToBid>
```

```
<itemID>9e6c2e70ce2c9450d7ee375d7334578</itemID>
<itemName>iphone1s</itemName>
<itemOwnerUser>Rohit</itemOwnerUser>
<itemPrice>3400000.0</itemPrice>
</bidItem>
```

localhost:8080/bidengine/webapi/bidservices/biditem/9e6c2e70ce2c9450d7ee375d7334578

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This XML file does not appear to have any style information associated with it. The document tree is shown below.

▼<bidItem>
    <bidCriteria>2</bidCriteria>
    <bidFinalPrice>300000.0</bidFinalPrice>
    <bidStartTime>2015-11-23T12:22:34.523+05:30</bidStartTime>
    <hoursToBid>0</hoursToBid>
    <itemID>9e6c2e70ce2c9450d7ee375d7334578</itemID>
    <itemName>iphone1s</itemName>
    <itemOwnerUser>Rohit</itemOwnerUser>
    <itemPrice>3400000.0</itemPrice>
  </bidItem>

5. **Get list of top 5 bidders by price:**

URL: http://localhost:8080/bidengine/webapi/bidservices/bidder/biditem/bidID
Method: GET
Ex:http://localhost:8080/bidengine/webapi/bidservices/bidder/biditem/9e6c2e70ce2c9450d7ee375d7334578

Sample Output
```
<bidders>
<bidder>
<bidPrice>3400000.0</bidPrice>
<bidderName>Ram Singh0</bidderName>
</bidder>
<bidder>
<bidPrice>200001.0</bidPrice>
<bidderName>Rohit</bidderName>
</bidder>
</bidders>
```

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localhost:8080/bidengine/webapi/bidservices/bidder/biditem/9e6c2e70ce2c9450d7ee375d7334578

Apps   XFire: The easy and ...   Escaping Special Ch...   Roy Jin   10 XML with jQuery ...   jsTree » Documenta...   JavaScript Sem

This XML file does not appear to have any style information associated with it. The document tree is shown below.

▼<bidders>
  ▼<bidder>
      <bidPrice>3400000.0</bidPrice>
      <bidderName>Ram Singh0</bidderName>
    </bidder>
  ▼<bidder>
      <bidPrice>200001.0</bidPrice>
      <bidderName>Rohit</bidderName>
    </bidder>
  </bidders>

6. Putting bid on an item:

URL:
http://localhost:8080/bidengine/webapi/bidservices/biditem/bidItemID
METHOD: PUT
TestMethod: public void putBidOnItem()

Sample Output:

Highest Bid Price: 204849.0
Current users bid:204849.0
Is Bid Closed: false
Is Bid Success: true
Highest Bid Price: 204850.0
Current users bid:204850.0
Is Bid Closed: false
Is Bid Success: true
Highest Bid Price: 204851.0
Current users bid:204851.0
Is Bid Closed: false
Is Bid Success: true
Highest Bid Price: 204852.0
Current users bid:204852.0
Is Bid Closed: false
Is Bid Success: true

7. Check bid closure based on criteria (time or final price decided by Bidder):

URL: http://localhost:8080/bidengine/webapi/bidservices/biditem/bidItemID
METHOD: PUT
TestMethod: public void putBidOnItemLimitTestOnPrice()

If the bid is closed then IsBidClosed: true and IsBidPlaced: false flags will
be returned by the web service

Item Price: 300002.0
Current users bid:300002.0
Is Bid Closed: false
Is Bid Placed: true

Bid Closed service:

Item Price: 300002.0
Current users bid:300010.0
Is Bid Closed: true
Is Bid Placed: false