Request Headers Accepted

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| **Header** | **Values** | **Effect** |
| Accept | application/json  application/xml | Can be used to select the format of response data. |
| Content-Type | application/json | Use for PUT and POST, and make sure payload is in JSON format. |
| Security-Signature | Hex string representation of HMAC SHA256 hash value | Must be present and valid for request to be accepted. |
| Security-Signature-Date | String representation of  UTC date/time stamp down to seconds | Must be present and valid for request to be accepted. |
| Security-Client-ID | ID of authenticated client | Must be present and valid for request to be accepted. |

Http Return Codes Used

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| --- | --- |
| **Code** | **Description** |
| 200 OK | Used when GET request processes successfully.  Response contains data requested. |
| 204 No Content | Used when PUT or POST request processes successfully.  Response does not contain any data. |
| 400 Bad Request | Used when a non-fatal error occurs, e.g. a required parameter is not supplied.  Response contains informational message. |
| 403 Forbidden | Used when security headers are absent or invalid.  Response does not contain any data. |
| 404 Not Found | Used when attempting to GET or POST an entity by ID, and specified entity cannot be found.  Response contains informational message. |
| 500 Internal Server Error | Used when a fatal error occurs, e.g. network error, database login failed, etc.  Response contains boilerplate message with no specific details. |

| **URI** | **Http Verb** | **Parameters (GET) or Payload (PUT/POST)**  **(bold indicates required)** | **Return value** |
| --- | --- | --- | --- |
| api/claimsummary | GET | **ProjectID** – integer  **UserName** – string  **PageNumber** – integer between 1 – 1000  **PageSize** – integer between 1 – 1000  **OrderByColumn**   * ClaimNumber * SampleNumber * PatientID   OrderByAscending – true/false  SearchTerm – string – applies to all columns  Status   * pended * unworked * overpaid * notoverpaid | {  "PageNumber": 1,  "PageSize": 2,  "TotalRowsInDataSet": 2000,  "PageData":  [  {  "ClaimID": 157,  "Status": "Unworked",  "ClaimNum": "123456789",  "SampleNumber": "0",  "Savings": "3101.3200",  "CheckDate": "2014-11-04",  "PatientID": "12345678",  "SubmissionDate": "",  "GroupId": 1,  "ProjectID": 2,  "RowNumber": 1  },  {  "ClaimID": 159,  "Status": "Unworked",  "ClaimNum": "987654321",  "SampleNumber": "0",  "Savings": "19887.9200",  "CheckDate": "2014-10-30",  "PatientID": "87654321",  "SubmissionDate": "",  "GroupID": 9,  "ProjectID": 2,  "RowNumber": 2  }  ]  } |
| api/claimdetail | GET | **ProjectID** – integer  **UserName** – string  **ClaimID** – integer | [  {  "ClaimID": 500,  "ProjectID": 2,  "StatusID": 1,  "Savings": 3047.81,  "ClaimNum": "123456789",  "PatientID": "12345678",  "ProviderTaxID": "123456789",  "ProviderName": "Provider Name",  "BillFromDate": "2013-07-23T00:00:00",  "BillToDate":"2013-07-23T00:00:00",  "OTHER\_CLIENT\_SPECIFIC\_FIELD": "VALUE"  }  ] |
| api/claimdetail | PUT | {  "**ProjectID**": 123,  "**UserName**": "user.name",  "**ClaimID**": 12345,  "**StatusID**": 8,  "**Savings**": 123.45,  "LineSavings":  [  {  "ClaimDetailID": 112233,  "Savings": 11.11  },  {  "ClaimDetailID": 223344,  "Savings": 22.22  }  ]  } | No content |
| api/groups | GET | **ProjectID** – integer  **UserName** – string  ClaimStatus   * overpaid * notoverpaid | [  {  "GroupID": 1,  "Status": "",  "GroupName": "Group 1",  "TotalClaims": 5,  "TotalSavings": 32630.78,  "TotalOverpaidClaims": 5,  "TotalNotOverpaidClaims": 0,  "ProjectID": 2  },  {  "GroupID": 3,  "Status": "Locked",  "GroupName": "Group 3",  "TotalClaims": 7,  "TotalSavings": 81602.11,  "TotalOverpaidClaims": 3,  "TotalNotOverpaidClaims": 4,  "ProjectID": 2  }  ] |
| api/groups | POST | {  "**ProjectID**": 2,  "**UserName**": "user.name",  "**GroupName**": "New Group Name",  "**ClaimIDs**": [111, 222, 333]  } | {  "111": "Success",  "222": "Success",  "333": "Already belongs to a group"  } |
| api/groups/{id} | PUT | {  "**ProjectID**": 2,  "**UserName**": "user.name",  "**Action**": "{lock/unlock/addclaims/removeclaims}",  "ClaimIDs": [444, 555]  } | For lock/unlock actions:  No content  For addclaims/removeclaims actions:  {  "444": "Success",  "555": "Already belongs to a group"  } |