

VIAM HEALTH ANDROID APP API

General :

- All API's will return data in XML and JSON.
- Add 'resp=JSON' in POSTDATA for JSON response.
- ADD 'resp=XML' in POSTDATA for XML response.

Login:

Request URL : http://api.viamhealth.com/android/login.cgi
POST Params : username=<USERNAME>&password=<PASSWORD>&resp=<XML/JSON>
XML Response : <Response>
 <login>LOGINVAL</login>
 <names>
 <name>NAME1</name>
 <name>NAME2</name>
 <name>NAME3</name>
 </names>
 <token>TOKENVAL</token>
 </Response>
JSON Response : {
 'login' : LOGINVAL,
 'names' : [NAME1, NAME2, NAME3,...],
 'token' : TOKENVAL
 }
Notes : LOGINVAL will contain 0 for successful login
 LOGINVAL will contain string message to be displayed for unsuccessful login.
 NAMES will contain the User name(s) to be displayed in the dropdown
 TOKENVAL is the value to be used for all future api calls. (On successful login)

Add Profile:

Request URL : http://api.viamhealth.com/android/addprofile.cgi
POST Params : fn=<FIRSTNAME>&ln=<LASTNAME>&gender=<F/M>&dob=<YYYY-MM-DD>&height=<HEIGHT_IN_CM>
 &weight=<WEIGHT_IN_KG>&email=<EMAIL>&phonenum=<PHONENUMBER>&token=<TOKENVAL>
 &resp=<XML/JSON>
XML Response : <Response>
 <add>ADD</add>
 <names>
 <name>NAME1</name>
 <name>NAME2</name>
 <name>NAME3</name>
 </names>
 </Response>
JSON Response : {
 'add' : ADD ,
 'names': [NAME1, NAME2, NAME3,...]
 }
Notes : ADD will contain 0 for successful addition, 1 for failure.
 NAMES will contain the User name(s) to be displayed in the dropdown

Invite Users:

Request URL : http://api.viamhealth.com/android/inviteuser.cgi
POST Params : email=<LIST_OF_COMMA_SEPARATED_EMAILS>&msg=<USER_MESSAGE>&token=<TOKENVAL>
 &resp=<XML/JSON>
XML Response : <Response>

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        <invite>INVITE</invite>
        <msg>FAILURE_MSG</msg>
    </Response>
JSON Response : {
    'invite' : INVITE,
    'msg'    : FAILURE_MSG
}
Notes       : INVITE will contain 0(success) or 1 (failure).
              On failure, FAILURE_MSG will contain message to be displayed.

```

List Goals:

```

Request URL    : http://api.viamhealth.com/android/goals.cgi
POST Params   : token=<TOKENVAL>&resp=<XML/JSON>
XML Response  : <Response>
                <goals>
                <goalvals>
                <gn>GOAL NAME</gn>
                <gd>GOAL DESC</gd>
                <gv>GOAL VAL</gv>
                <values>
                <value><date>DATE1</date><val>VAL1</val></value>
                <value><date>DATE2</date><val>VAL2</val></value>
                .....
                .....
                <value><date>DATEN</date><val>VALN</val></value>
                </values>
                </goalvals>
                <goalvals>
                <gn>GOAL NAME</gn>
                <gd>GOAL DESC</gd>
                <gv>GOAL VAL</gv>
                <values>
                <value><date>DATE1</date><val>VAL1</val></value>
                <value><date>DATE2</date><val>VAL2</val></value>
                .....
                .....
                <value><date>DATEN</date><val>VALN</val></value>
                </values>
                </goalvals>
                .....
                .....
                <goalvals>
                <gn>GOAL NAME</gn>
                <gd>GOAL DESC</gd>
                <gv>GOAL VAL</gv>
                <values>
                <value><date>DATE1</date><val>VAL1</val></value>
                <value><date>DATE2</date><val>VAL2</val></value>
                .....
                .....
                <value><date>DATEN</date><val>VALN</val></value>
                </values>
                </goalvals>
                </goals>
            </Response>
JSON Response : {
    'goals' = [ 'gn'      : GOAL NAME,
                'gd'      : GOAL DESC,
                'gv'      : GOALVAL,

```

```

        'dates' : [date1, date2, ....., dateN],
        'val'   : [val1, val2, ... , valN]
    ],
    [ 'gn'      : GOAL NAME,
      'gd'      : GOAL DESC,
      'gv'      : GOALVAL,
      'dates'   : [date1, date2, ....., dateN],
      'val'     : [val1, val2, ... , valN]
    ],
    .....
    [ 'gn'      : GOAL NAME,
      'gd'      : GOAL DESC,
      'gv'      : GOALVAL,
      'dates'   : [date1, date2, ....., dateN],
      'val'     : [val1, val2, ... , valN]
    ]
}

```

Notes : Returns list of goals
 GOAL NAME is name displayed on graph.
 GOAL DESC is description next to name on graph.
 GOALVAL is user set goal value.
 dates and val gives list of goal date-value pairs for plotting.
 For BP, <ADD WHAT ALL BE RETURNED..>

Add goals :

Request URL : http://api.viamhealth.com/android/addgoal.cgi
 POST Params : name=<GOALNAME>&gi=<GOALINFORMATION>&cv=<CURRENTVAL>&gv=<GOALVAL>
 >=<GOALTIME>&token=<TOKENVAL>&resp=<XML/JSON>
 XML Response : <Response>
 <add>ADD</add>
 <msg>FAILURE_MSG</msg>
 </Response>
 JSON Response : {
 'add' : ADD,
 'msg' : FAILURE_MSG
 }
 Notes : ADD will contain 0 for successful addition, 1 for failure.
 On failure, FAILURE_MSG will contain message to be displayed.

Add goal value :

Request URL : http://api.viamhealth.com/android/addgoalvalue.cgi
 POST Params : goalname=<GOALNAME>&date=<DATE>&values=<VALUES>&token=<TOKENVAL>
 &resp=<XML/JSON>
 -- VALUES string will depend on goal.
 -- For weight - Weight in Kgs
 -- For cholestrol - cholestrol in mg/dl
 -- For Blood Glucose - Glucose in mM
 -- For Calories - Calories in calories.
 -- For BP - Comma separated values of
 a. High in mmHG
 b. Low in mmHG
 c. Pulse per minute.
 XML Response : <Response>
 <add>ADD</add>
 <msg>FAILURE_MSG</msg>
 <goalvals>

```

        <gd>GOAL_DESC</gd>
        <gv>GOAL_VAL</gv>
        <values>
            <value><date>DATE1</date><val>VAL1</val></value>
            <value><date>DATE2</date><val>VAL2</val></value>
            <value><date>DATE3</date><val>VAL3</val></value>
            .....
            .....
            <value><date>DATEN</date><val>VALN</val></value>
        </values>
    </goalvals>
</Response>
JSON Response : {
    'add' : ADD,
    'msg' : FAILURE_MSG,
    'gd' : GOAL_DESC,
    'gv' : GOAL_VAL,
    'dates' : [date1, date2, ....., dateN],
    'val' : [val1, val2, ... , valN]
}
Notes : ADD will contain 0 for successful addition, 1 for failure.
        On failure, FAILURE_MSG will contain message to be displayed.
        On successful addition, update list of goal values will be returned
        Use these 'N' values to update the goal graph

```

Manage Goals (Update/Delete): (Share needs to be added..)

```

Request URL : http://api.viamhealth.com/android/managegoals.cgi
POST Params : goalname=<GOALNAME>&type=<UPDATE/DELETE>&gv=<GOAL_VAL>&token=<TOKENVAL>
              &resp=<XML/JSON>
              -- UPDATE = 1, DELETE = 2
              -- GOAL_VAL will only be present for UPDATE.
XML Response : <Response>
                <manage>MANAGE_VAL</manage>
                <goals>
                    <goalvals>
                        <gn>GOAL_NAME</gn>
                        <gd>GOAL_DESC</gd>
                        <gv>GOAL_VAL</gv>
                        <values>
                            <value><date>DATE1</date><val>VAL1</val></value>
                            <value><date>DATE2</date><val>VAL2</val></value>
                            .....
                            .....
                            <value><date>DATEN</date><val>VALN</val></value>
                        </values>
                    </goalvals>
                </goalvals>
                <goalvals>
                    <gn>GOAL_NAME</gn>
                    <gd>GOAL_DESC</gd>
                    <gv>GOAL_VAL</gv>
                    <values>
                        <value><date>DATE1</date><val>VAL1</val></value>
                        <value><date>DATE2</date><val>VAL2</val></value>
                        .....
                        .....
                        <value><date>DATEN</date><val>VALN</val></value>
                    </values>
                </goalvals>
                .....

```

```

.....
<goalvals>
  <gn>GOAL NAME</gn>
  <gd>GOAL DESC</gd>
  <gv>GOAL VAL</gv>
  <values>
    <value><date>DATE1</date><val>VAL1</val></value>
    <value><date>DATE2</date><val>VAL2</val></value>
    .....
    .....
    <value><date>DATEN</date><val>VALN</val></value>
  </values>
</goalvals>
</goals>
</Response>

```

```

JSON Response : { 'manage' : MANAGE,
  'goals' = [ 'gn'      : GOAL NAME,
              'gd'      : GOAL DESC,
              'gv'      : GOALVAL,
              'dates'    : [date1, date2, ....., dateN],
              'val'      : [val1, val2, ... , valN]
            ],
  [ 'gn'      : GOAL NAME,
    'gd'      : GOAL DESC,
    'gv'      : GOALVAL,
    'dates'    : [date1, date2, ....., dateN],
    'val'      : [val1, val2, ... , valN]
  ],
  .....
  [ 'gn'      : GOAL NAME,
    'gd'      : GOAL DESC,
    'gv'      : GOALVAL,
    'dates'    : [date1, date2, ....., dateN],
    'val'      : [val1, val2, ... , valN]
  ]
}

```

Notes : MANAGE will contain 0 for success
MANAGE will otherwise contain error message.
On success, It will also return list of goals.
This list of goals will be in the same format as listgoals.
This can be used to update graphs.

List Files:

```

Request URL      : http://api.viamhealth.com/android/filelist.cgi
POST Params     : token=<TOKENVAL>&resp=<XML/JSON>
XML Response    : <Response>
                  <files>
                    <file>
                      <fileid>ID</fileid>
                      <name>FILENAME</file>
                      <label>LABEL</label>
                      <dateu>DATE SEEN BY USER</dateu>
                      <date>YYYY-MM-DD</date>
                    </file>
                    <file>
                      <fileid>ID</fileid>
                      <name>FILENAME</file>
                      <label>LABEL</label>
                      <dateu>DATE SEEN BY USER</dateu>

```

```

        <date>YYYY-MM-DD</date>
    </file>
    -----
    -----
    <file>
        <fileid>ID</fileid>
        <name>FILENAME</file>
        <label>LABEL</label>
        <dateu>DATE SEEN BY USER</dateu>
        <date>YYYY-MM-DD</date>
    </file>
</files>
</Response>
JSON Response : { files =
    [ 'fileid' : ID,
      'name'   : FILENAME,
      'label'  : LABEL,
      'dateu'  : DATE SEEN BY USER,
      'date'   : YYYY-MM-DD
    ],
    [ 'fileid' : ID,
      'name'   : FILENAME,
      'label'  : LABEL,
      'dateu'  : DATE SEEN BY USER,
      'date'   : YYYY-MM-DD
    ],
    .....
    [ 'fileid' : ID,
      'name'   : FILENAME,
      'label'  : LABEL,
      'dateu'  : DATE SEEN BY USER,
      'date'   : YYYY-MM-DD
    ]
  }
Notes : Returns List of files.
       ID should be used for all further file management calls.
       DATE SEEN BY USER will be like 'Jan 2, 2013'
       DATE in YYYY-MM-DD should be used for sorting.

```

Manage Files : (Only update/delete) (Share needs to be added)

```

Request URL      : http://api.viamhealth.com/android/managefiles.cgi
POST Params     : id=<IDS>&type=<UPDATE/DELETE>&label=<LABEL>&token=<TOKENVAL>
                  &resp=<XML/JSON>
                  -- UPDATE = 1, DELETE = 2
                  -- On Update, only label can be changed for 1 file.
                  -- User can delete multiple files. (Comma separated ID values)
XML Response    : <Response>
                  <manage>MANAGE VAL</manage>
                  <files>
                    <file>
                      <fileid>ID</fileid>
                      <name>FILENAME</file>
                      <label>LABEL</label>
                      <dateu>DATE SEEN BY USER</dateu>
                      <date>YYYY-MM-DD</date>
                    </file>
                    <file>
                      <fileid>ID</fileid>
                      <name>FILENAME</file>

```

```

        <label>LABEL</label>
        <dateu>DATE SEEN BY USER</dateu>
        <date>YYYY-MM-DD</date>
    </file>
    -----
    -----
    <file>
        <fileid>ID</fileid>
        <name>FILENAME</file>
        <label>LABEL</label>
        <dateu>DATE SEEN BY USER</dateu>
        <date>YYYY-MM-DD</date>
    </file>
</files>
</Response>

```

```

JSON Response : { 'manage' : MANAGE,
                  'files' =
                    [ 'fileid' : ID,
                      'name'   : FILENAME,
                      'label'  : LABEL,
                      'dateu'   : DATE SEEN BY USER,
                      'date'    : YYYY-MM-DD
                    ],
                    [ 'fileid' : ID,
                      'name'   : FILENAME,
                      'label'  : LABEL,
                      'dateu'   : DATE SEEN BY USER,
                      'date'    : YYYY-MM-DD
                    ],
                    .....
                    [ 'fileid' : ID,
                      'name'   : FILENAME,
                      'label'  : LABEL,
                      'dateu'   : DATE SEEN BY USER,
                      'date'    : YYYY-MM-DD
                    ]
                  ]
                }

```

Notes : MANAGE will contain 0 for success
MANAGE will otherwise contain error message.
Returns List of files on success
