```ruby
def base_user_info
  self.post('saveUserInfo.json', {
    :appId => app_id,
    :timeunit => timestamp,
    :token => token,
    :userId => user_id,
    :idcard => idcard,
    :realname => realname,
    :teleno => phone
  })
end

def phone_operator
  self.post('phone/pt_ued_phone_img.json', {
    :appId => app_id,
    :timeunit => timestamp,
    :token => token,
    :userId => user_id,
    :phone => phone,
    :index => 1
  })
end

def log_in_2(capcha_code_confirmation = '')
  self.post('phone/pt_ued_phone_login.json', {
    :appId => app_id,
    :timeunit => timestamp,
    :token => token,
    :userId => user_id,
    :phone => phone,
    :password => password,
    :authCode => capcha_code_confirmation
  })
end

def log_in_3(index = 1)
  self.post('phone/pt_ued_phone_img2.json', {
```

```ruby
      :appId => app_id,
      :timeunit => timestamp,
      :token => token,
      :userId => user_id,
      :phone => phone,
      :index => index
    })
  end

  def log_in_4(capcha_code_confirmation = '')
    self.post('phone/pt_ued_phone_sms.json', {
      :appId => app_id,
      :timeunit => timestamp,
      :token => token,
      :userId => user_id,
      :phone => phone,
      :authCode => capcha_code_confirmation
    })
  end

  def log_in_5(sms_code_confirmation = '',
capcha_code_confirmation = '')
    self.post('phone/pt_ued_phone_sms.json', {
      :appId => app_id,
      :timeunit => timestamp,
      :token => token,
      :userId => user_id,
      :phone => phone,
      :smsCode => sms_code_confirmation,
      :authCode => capcha_code_confirmation
    })
  end

  def make_report
    self.post('newReport/makeReport.json', {
      :appId => app_id,
      :timeunit => timestamp,
      :token => token,
      :userId => user_id
```

```ruby
      }
    )
  end

  def get_pdf_report
    self.post('newReport/checkReport.json', {
        :appId => app_id,
        :timeunit => timestamp,
        :token => token,
        :userId => user_id
      }
    )
  end

  def get_json_report
    self.post('report/getReportJson.json', {
        :appId => app_id,
        :timeunit => timestamp,
        :token => token,
        :userId => user_id
      }
    )
  end
```