

ERPNext Mobile App API Documentation

Version: 2.0

Base URL Format: `/api/method/client_demo.services`

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PART 1: ATTENDANCE & LEAVE APIs

1. Mark Attendance (Biometric/Direct)

Endpoint: `/api/method/client_demo.services.checkin_dummy.mark_attendance`

Method: POST

Input Parameters

```
{  
    "employee": "AMAL R"  
}
```

Parameter	Type	Required	Description
employee	String	✓ Yes	Employee unique ID
log_type	String	✗ No	"IN" or "OUT" (auto-detected)

Output Format

```
{
```

```
"message": {  
    "success": true,  
    "message": "Attendance recorded successfully as IN",  
    "log_type": "IN",  
    "time": "2026-01-27 11:42:11.962345"  
}  
}
```

2. Get Employee Dashboard

Endpoint: `/api/method/client_demo.services.checkin_dummy.get_employee_details`

Method: POST

Input Parameters

```
{  
    "user_id": "amal.r@softlandindia.co.in",  
    "select_date": "2026-01-27"  
}
```

Parameter	Type	Required	Description
user_id	String	✓ Yes	Employee's email address
select_date	String	✗ No	Date in YYYY-MM-DD format

Output Format

```
{  
    "message": {  
        "success": true,  
        "employee_details": {  
            "name": "AMAL R",  
            "department": "Web Applications Department - SIL",  
            "designation": "Junior Software Programmer"  
        },  
        "selected_date_data": {  
            "date": "2026-01-27",  
            "daily_working_hours": 8.5,  
            "entry_time": "09:00",  
            "exit_time": "17:00"  
        }  
    }  
}
```

```

        "exit_time": "17:30",
        "status": "Present"
    },
    "weekly_summary": {
        "total_hours_worked": 42.5,
        "average_work_hours": 8.5,
        "days_worked": 5
    },
    "monthly_summary": {
        "total_hours_worked": 170.0,
        "average_work_hours": 8.5,
        "days_worked": 20
    }
}
}

```

3. Apply for Leave

Endpoint: `/api/method/client_demo.services.leave_application.apply_leave`

Method: POST

Input Parameters

```
{
    "employee": "AMAL R",
    "leave_type": "Casual Leave",
    "from_date": "2026-02-01",
    "to_date": "2026-02-02",
    "reason": "Personal work",
    "half_day": 0
}
```

Parameter	Type	Required	Description
employee	String	✓ Yes	Employee unique ID
leave_type	String	✓ Yes	Leave type name
from_date	String	✓ Yes	Start date (YYYY-MM-DD)
to_date	String	✓ Yes	End date (YYYY-MM-DD)
reason	String	✓ Yes	Reason for leave

half_day	Integer	X No	1 for half day, 0 for full day
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Output Format

```
{  
  "message": {  
    "status": "success",  
    "message": "Leave Application HR-LAP-00001 created. Pending approval from VINOH",  
    "leave_name": "HR-LAP-00001"  
  }  
}
```

4. Get Available Leave Types

Endpoint: `/api/method/client_demo.services.leave_application.get_leave_types`

Method: POST

Output Format

```
{  
  "message": [  
    "Casual Leave",  
    "Sick Leave",  
    "Privilege Leave"  
  ]  
}
```

5. Get Unapproved Leaves (Manager)

Endpoint: `/api/method/client_demo.services.leave_application.get_unapproved_leaves`

Method: POST

Input Parameters

```
{  
  "user_id": "vinod@softlandindia.co.in"  
}
```

Output Format

```
{  
  "message": {  
    "status": "success",  
    "manager": "VINOD K",  
    "reportees_count": 3,  
    "leave_count": 2,  
    "leaves": [  
      {  
        "name": "HR-LAP-00001",  
        "employee": "AMAL R",  
        "leave_type": "Casual Leave",  
        "from_date": "2026-02-01",  
        "to_date": "2026-02-02",  
        "status": "Open"  
      }  
    ]  
  }  
}
```

6. Approve Leave (Manager)

Endpoint: `/api/method/client_demo.services.leave_application.approve_leave`

Method: POST

Input Parameters

```
{  
  "leave_name": "HR-LAP-00001",  
  "employee": "VINOD K"  
}
```

Output Format

```
{  
  "message": {  
    "status": "success",  
    "message": "Leave approved: Approved by VINOD K"  
  }  
}
```

PART 2: REMOTE ATTENDANCE APIs

7. Mark Remote Attendance

Endpoint:

`/api/method/client_demo.services.remote_attendance.mark_remote_attendance`

Method: POST

Input Parameters

```
{  
  "employee": "AMAL R",  
  "latitude": 10.8505159,  
  "longitude": 76.2710833,  
  "location_type": "Work From Home",  
  "device_info": "Samsung Galaxy S21",  
  "remarks": "Working from home"  
}
```

Parameter	Type	Required	Description
employee	String	✓ Yes	Employee unique ID
latitude	Float	✓ Yes	GPS latitude
longitude	Float	✓ Yes	GPS longitude
location_type	String	✓ For IN	"Work From Home" / "Field" / "Service Center"

device_info	String	X No	Device identifier
remarks	String	X No	Optional notes

Output Format

```
{
  "message": {
    "success": true,
    "name": "RA-2026-00001",
    "log_type": "IN",
    "time": "2026-01-27 09:00:00",
    "location_type": "Work From Home",
    "workflow_state": "Pending",
    "message": "Attendance marked as IN. Pending approval from VINOD K"
  }
}
```

8. Get Today Attendance Status

Endpoint:

`/api/method/client_demo.services.remote_attendance.get_today_attendance_status``

Method: POST

Input Parameters

```
{
  "employee": "AMAL R"
}
```

Output Format

```
{
  "message": {
    "success": true,
    "date": "2026-01-27",
    "next_log_type": "OUT",
    "total_checkins_today": 1,
    "pending_approvals": 0,
    "last_checkin": {
      "log_type": "IN",
      "time": "2026-01-27 09:00:00"
    }
  }
}
```

```
        "name": "RA-2026-00001",
        "log_type": "IN",
        "time": "2026-01-27 09:00:00",
        "status": "Approved",
        "source": "remote"
    },
    "is_first_of_day": false
}
}
```

9. Get Location Type Options

Endpoint:

`/api/method/client_demo.services.remote_attendance.get_location_type_options`

Method: POST

Output Format

```
{
    "message": [
        "Work From Home",
        "Field",
        "Service Center"
    ]
}
```

10. Get Pending Remote Attendance

Endpoint:

`/api/method/client_demo.services.remote_attendance.get_pending_remote_attendance`

Method: POST

Input Parameters

```
{  
    "employee": "AMAL R"  
}
```

Output Format

```
{  
    "message": {  
        "success": true,  
        "count": 1,  
        "data": [  
            {  
                "name": "RA-2026-00001",  
                "log_type": "IN",  
                "time": "2026-01-27 09:00:00",  
                "location_type": "Work From Home",  
                "workflow_state": "Pending",  
                "latitude": 10.8505159,  
                "longitude": 76.2710833  
            }  
        ]  
    }  
}
```

11. Get Remote Attendance History

Endpoint:

`/api/method/client_demo.services.remote_attendance.get_remote_attendance_history`

Method: POST

Input Parameters

```
{  
    "employee": "AMAL R",  
    "from_date": "2026-01-01",  
    "to_date": "2026-01-31"  
}
```

Parameter	Type	Required	Description

employee	String	✓ Yes	Employee unique ID
from_date	String	✗ No	Start date filter
to_date	String	✗ No	End date filter

Output Format

```
{
  "message": {
    "success": true,
    "count": 5,
    "data": [
      {
        "name": "RA-2026-00001",
        "log_type": "IN",
        "time": "2026-01-27 09:00:00",
        "location_type": "Work From Home",
        "workflow_state": "Approved",
        "approved_by": "VINOD K",
        "linked_checkin": "EMP-CKIN-00123"
      }
    ]
  }
}
```

12. Cancel Remote Attendance

Endpoint:

`/api/method/client_demo.services.remote_attendance.cancel_remote_attendance`

Method: POST

Input Parameters

```
{
  "name": "RA-2026-00001",
  "employee": "AMAL R"
}
```

Output Format

```
{  
  "message": {  
    "success": true,  
    "message": "Remote Attendance RA-2026-00001 cancelled successfully"  
  }  
}
```

13. Get Today Checkin Pairs

Endpoint:

`/api/method/client_demo.services.remote_attendance.get_today_checkin_pairs`

Method: POST

Input Parameters

```
{  
  "employee": "AMAL R"  
}
```

Output Format

```
{  
  "message": {  
    "success": true,  
    "date": "2026-01-27",  
    "pairs": [  
      {  
        "in_time": "09:00",  
        "out_time": "13:00",  
        "location_type": "Work From Home",  
        "duration_hours": 4.0,  
        "source": "remote"  
      }  
    ],  
    "total_hours": 4.0  
  }  
}
```

14. Get Pending Approvals (Manager)

Endpoint:

`/api/method/client_demo.services.remote_attendance.get_pending_approvals`

Method: POST

Input Parameters

```
{  
    "user_id": "vinod@softlandindia.co.in"  
}
```

Output Format

```
{  
    "message": {  
        "success": true,  
        "manager": "VINOD K",  
        "reportees_count": 3,  
        "pending_count": 2,  
        "data": [  
            {  
                "name": "RA-2026-00001",  
                "employee": "AMAL R",  
                "employee_name": "AMAL R",  
                "log_type": "IN",  
                "time": "2026-01-27 09:00:00",  
                "location_type": "Work From Home",  
                "latitude": 10.8505159,  
                "longitude": 76.2710833  
            }  
        ]  
    }  
}
```

15. Approve Remote Attendance (Manager)

Endpoint:

`/api/method/client_demo.services.remote_attendance.approve_remote_attendance`

Method: POST

Input Parameters

```
{  
  "name": "RA-2026-00001",  
  "manager": "VINOD K"  
}
```

Output Format

```
{  
  "message": {  
    "success": true,  
    "message": "Approved and checkin created",  
    "remote_attendance": "RA-2026-00001",  
    "employee_checkin": "EMP-CKIN-00123"  
  }  
}
```

16. Reject Remote Attendance (Manager)

Endpoint:

`/api/method/client_demo.services.remote_attendance.reject_remote_attendance``

Method: POST

Input Parameters

```
{  
  "name": "RA-2026-00001",  
  "manager": "VINOD K",  
  "reason": "GPS location not matching work area"  
}
```

Parameter	Type	Required	Description
name	String	✓ Yes	Remote Attendance ID

manager	String	✓ Yes	Manager's Employee ID
reason	String	✓ Yes	Rejection reason (mandatory)

Output Format

```
{
  "message": {
    "success": true,
    "message": "Remote Attendance RA-2026-00001 rejected",
    "reason": "GPS location not matching work area"
  }
}
```

17. Get Approval History (Manager)

Endpoint: `/api/method/client_demo.services.remote_attendance.get_approval_history`

Method: POST

Input Parameters

```
{
  "user_id": "vinod@softlandindia.co.in",
  "from_date": "2026-01-01",
  "to_date": "2026-01-31"
}
```

Output Format

```
{
  "message": {
    "success": true,
    "manager": "VINOD K",
    "count": 10,
    "approved": 8,
    "rejected": 2,
    "data": [
      {
        "name": "RA-2026-00001",
        "employee": "AMAL R",
        "status": "Approved"
      }
    ]
  }
}
```

```
        "log_type": "IN",
        "workflow_state": "Approved",
        "approved_on": "2026-01-27 10:00:00"
    }
]
}
}
```

Error Response Format

```
{
  "message": {
    "success": false,
    "message": "Error description"
  }
}
```

Important Notes

- 1. Base URL:** Replace `` with your actual server URL
 - 2. Employee ID:** Always use the unique Employee name field (e.g., "AMAL R")
 - 3. Date Format:** All dates must be in YYYY-MM-DD format
 - 4. Location Type:** Required only for IN attendance (Work From Home / Field / Service Center)
 - 5. Content-Type:** Always set `Content-Type: application/json` header
 - 6. Method:** All endpoints use POST method
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Total APIs: 17

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