

# Webes Alkalmazás

## Projektterv Cégek Számára

Ez a projektterv egy olyan webes alkalmazás létrehozására irányul, amely segíti a cégek mindennapi működését és a munkaerő hatékony kezelését. Az alkalmazás különböző felhasználói szerepköröket és jogosultságokat biztosít mind a cégeknek, mind az alkalmazottaknak, valamint egy adminisztrátori felületet a rendszer felügyeletéhez. Az alábbiakban a rendszer kulcsfontosságú funkciói, valamint a javasolt fejlesztések találhatók.

## Fő funkciók:

### Alkalmazottak kezelése

- **Beosztás kezelés:**

A munkáltatók megadhatják az alkalmazottak heti/havi beosztását, amit az alkalmazottak megtekinthetnek a felületükön. A dolgozók ezen keresztül kérhetnek pihenőnapot vagy szabadságot is.

- **Üzenetküldés:**

Az alkalmazottak és a munkáltatók egy beépített üzenetküldő rendszer segítségével kommunikálhatnak egymással, így az ütemezések és feladatok változásai gyorsan kommunikálhatók.

- **Betegség jelentése és orvosi igazolások feltöltése:**

Az alkalmazottak bejelenthetik a betegséget és feltölthetik az orvosi igazolásukat a rendszerbe. Ez automatikusan értesíti a munkáltatót és rögzíti az információkat a rendszerben.

- **Munkaidő nyilvántartás:**

Az alkalmazottak be- és kijelentkezhetnek a munkaidő megkezdésekor és befejezésekor. A rendszer naplózza az időpontokat, ami alapján a munkáltató nyomon követheti a munkaidőt.

- **Munkáltatói kimutatások:**

A munkáltatók különböző jelentéseket és kimutatásokat láthatnak az alkalmazottak munkaidejéről, teljesítményéről, távolléteiről, betegségeiről stb.

- **Céges hierarchia és jogosultságok:**

A rendszer támogatja a cégek hierarchikus felépítését. Különböző csoportok és csoportvezetők definiálhatók. A csoportvezetők részleges jogosultságokkal rendelkeznek az általuk vezetett csoport alkalmazottainak beosztására, munkavégzésének ellenőrzésére, illetve a szabadságok, pihenőnapok jóváhagyására.

### Home Office és Task-kezelés

- **Home Office támogatás:**

Az alkalmazás támogatja a távoli munkavégzést. A munkáltatók feladatokat (taskokat) rendelhetnek az alkalmazottakhoz, és követhetik azok teljesítését. Az alkalmazottak feladatuk elvégzése után megadhatják, hogy mennyi időt töltöttek vele. A rendszer ezeket az adatokat felhasználva készít kimutatásokat a munkaidő és feladatok hatékonyságáról.

- **Teljesítménymérés:**

A feladatok elvégzésének ideje alapján a rendszer kimutatásokat készít, így a munkáltatók láthatják az alkalmazottak teljesítményét. Lehetőség van határidők megadására is, amelyek alapján figyelmeztetéseket vagy ösztönzőket lehet alkalmazni a feladatok időben történő elvégzése érdekében.

## Adminisztrációs felület

- **Licenckulcs kezelés:** A cégek csak licenckulcs megvásárlása és aktiválása után férhetnek hozzá a rendszerhez. A licenckulcs egy véletlenszerűen generált kód, amelyet a regisztráció során kell megadni.
- **Alkalmazottak regisztrációja:** Csak a munkáltatók regisztrálhatják alkalmazottaikat a rendszerbe. Az alkalmazottak meghívó kód alapján kapnak hozzáférést.

## Fejlesztői adminisztrációs oldal

- **Cégek és alkalmazottak áttekintése:**

A fejlesztő/admin hozzáférhet az összes regisztrált cég és alkalmazott adatbázisához. Ez lehetőséget biztosít a rendszer technikai karbantartására, de a céges és alkalmazotti érzékeny adatokhoz nem fér hozzá.
- **Rendszer karbantartás:**

A fejlesztői adminisztrációs oldal lehetőséget biztosít a licenckulcsok kezelésére, új cégek hozzáadására, illetve a rendszer állapotának figyelésére (például a szerver erőforrásainak monitorozása).

## Megbeszélések szervezése (Tervbe vett funkció)

- **Videókonferencia integráció:**

A rendszer tartalmazhat egy videókonferencia funkciót is, amely a távoli munka során lehetővé teszi a csoportok közötti hatékony kommunikációt. Ehhez harmadik féltől származó API-k (például Zoom vagy Teams integráció) is használhatók. A csoportvezetők megbeszéléseket szervezhetnek, és az alkalmazottakat értesíthetik a tervezett időpontokról.

## Kiegészítő funkciók

- **Értesítési rendszer:**

A felhasználók értesítéseket kaphatnak a feladatok, beosztások, megbeszélések, szabadságkérelmek és más fontos események változásairól. Az értesítések megjelenhetnek a webes felületen, e-mailben, vagy akár mobilalkalmazás push értesítése formájában is.
- **Naptár integráció:**

A feladatok, megbeszélések és szabadságok könnyen átláthatók egy naptár nézetben. Az alkalmazás lehetőséget biztosít arra is, hogy a felhasználók exportálják naptári adataikat más külső naptáralkalmazásokba (pl. Google Calendar, Outlook).
- **Munkaidő-ellenőrző pontok:**

A rendszer lehetővé teszi munkaidő ellenőrző pontok (checkpointok) beállítását, amelyek során a munkavállalóknak bizonyos időközönként be kell jelentkezniük a rendszerbe a munka folytonosságának biztosítása érdekében. Ez különösen a home office-ban dolgozó alkalmazottak esetében lehet hasznos.

- **Jogosultsági szintek fejlesztése:**

A cégek belső hierarchiája alapján a jogosultságokat tovább lehet finomítani, például a csoportvezetők csak saját csoportjuk számára férhetnek hozzá bizonyos adatokhoz, míg a magasabb szintű vezetők az egész szervezetre vonatkozóan kapnak áttekintést. Ez fokozza az adatvédelem és a biztonság szintjét.

- **Teljesítményértékelés és bónuszrendszer:**

A rendszer integrálhatna egy teljesítményértékelési modult, amely az alkalmazottak munkavégzését pontozza a feladatok elvégzése és a munkaidő nyilvántartás alapján. Ehhez egy bónuszrendszer kapcsolódhat, amely ösztönzőként szolgálhat a teljesítmény javítására.

# User stories

## Basis functionalities

USER	USER STORY	PRIORITY	NOTES
admin	As an admin, after purchase I want to receive a custom product key, so I can register my company with that key and use the system.	MUST HAVE	Each key is unique and is paired to the company in the database.
admin	As an admin, I want to be able to create user profiles, give roles for the employees.	MUST HAVE	Each employee profile is generated this way, regardless of it's authorization level.
admin	As an admin, I want to deactivate or delete user profiles, so that inactive employees no longer have access to the system.	MUST HAVE	Deactivated users should not lose historical data but will lose access.
admin	As an admin, I want to reset user passwords when necessary, so that employees can regain access if they face issues.	MUST HAVE	Password reset triggers a temporary password sent via email to the user.
user	As a user, I want to be able to login to the system with the credentials given by the admin.	MUST HAVE	After the admin creates the user profiles an email is automatically sent with the credentials to the user. The password given here is temporary, the user is redirected to give his own password.
user	As a user, I want to be able to login to the system with the credentials given by the admin.	MUST HAVE	After the admin creates the user profiles an email is automatically sent with the credentials to the user. The password given here is temporary, the user is redirected to give his own password.

USER	USER STORY	PRIORITY	NOTES
user	As a user, if I forget my password I have an option to contact the admin to get a new password.	MUST HAVE	I will get an email with a temporary password, which then I can change.
user	As a user, I want to be automatically logged out after a period of inactivity, so that my account remains secure.	MUST HAVE	The inactivity timeout duration should be configurable by the admin.
user	As a user, I want to update my profile information (e.g., name, contact info), so that my personal details remain accurate.	MUST HAVE	Profile updates should trigger a notification to the admin for tracking changes.
user	As a user, I want to see a dashboard after login that provides an overview of my schedule, tasks, and notifications.	MUST HAVE	The dashboard is role-specific and dynamically adjusts based on the user's access level.

## Handling Employees

USER	USER STORY	PRIORITY	NOTES
employee	As an employee, I want to view my weekly and monthly work schedule online, so that I can plan my personal time around it.	MUST HAVE	Basic functionality for employee management. This should allow employees to see updated schedules in real-time.
employer	As an admin, I want to create and publish weekly and monthly schedules for my employees, so that they know when they need to work.	MUST HAVE	The schedule should be quick to update and send notifications to employees when any changes are made.
employee	As an employee, I want to request a day off or vacation directly through the system, so that I can easily communicate my availability to my employer.	MUST HAVE	The status of the request (accepted/rejected) must be traceable. The employer should be notified about the request.
employer	As an employer, I want to review and approve or reject day-off or vacation requests, so that I can ensure adequate staffing levels.	MUST HAVE	Accepted vacations are automatically added to the employee's schedule and visible in the calendar.
employee	As an employee, I want to report my illness and upload a medical certificate, so that my employer is informed about my unavailability.	MUST HAVE	The system can automatically warn the worker if the certificate is missing and needs to be uploaded, which he receives a reminder of every day.

USER	USER STORY	PRIORITY	NOTES
employer	As an employer, I want to receive notifications when an employee reports illness and uploads medical documentation, so that I can adjust the work schedule accordingly.	MUST HAVE	The system should provide the possibility for the employer to manage and archive documents.
employee	As an employee, I want to clock in and clock out digitally, so that my working hours are accurately recorded in the system.	MUST HAVE	The employee can refer back to their own time log to verify the recorded data.
employer	As an employer, I want to monitor and review employees' clock-in and clock-out records, so that I can track attendance and calculate wages correctly.	MUST HAVE	This data can be exported.
employer	As an employer, I want to generate detailed reports about employees' working hours, performance, absences, and sick leaves, so that I can make data-driven decisions.	MUST HAVE	These reports should be customizable for time intervals.
employee	As an employee, I want to communicate directly with my employer through the system, so that I can quickly clarify work-related questions.	MUST HAVE	Basic functionality.
employer	As an employer, I want to send announcements or individual messages to employees, so that I can inform them about schedule changes or other important updates.	MUST HAVE	The messages can be flagged, so when they are, the employee gets notification about them.
employee	As an employee, I want to see only the information and options relevant to my role, so that I am not overwhelmed by unnecessary data.	MUST HAVE	Basic functionality.
employer	As an employer, I want to define teams and assign team leaders with limited permissions, so that they can manage their teams independently.	MUST HAVE	Group leaders can only see their own group's assignments and reports.
admin	As a company administrator, I want to have full access to the organization's structure and employee data, so that I can make strategic decisions.	MUST HAVE	Only the highest level of authorization should have full data access.

## Home Office And Handling Tasks

USER	USER STORY	PRIORITY	NOTES
employer	As an employer, I want to create tasks and assign them to specific employees, so that I can ensure work is distributed efficiently.	MUST HAVE	Tasks should have descriptions, priority levels, and deadlines.

USER	USER STORY	PRIORITY	NOTES
employer	As an employer, I want to assign multiple employees to a single task, so that team collaboration is possible.	MUST HAVE	Basic functionality.
employee	As an employee, I want to receive notifications when I am assigned a new task, so that I am aware of my responsibilities.	MUST HAVE	Notifications should be sent via email and displayed on the dashboard.
employee	As an employee, I want to see all my assigned tasks in a structured list, so that I can prioritize my work efficiently.	MUST HAVE	Tasks should be filterable by priority, deadline, and status.
employee	As an employee, I want to mark a task as in progress or completed, so that my employer knows my current workload.	MUST HAVE	The system should update the task status in real-time.
employee	As an employee, I want to log the time I spend on each task, so that my work hours are accurately recorded.	MUST HAVE	The system should support automatic tracking.
employer	As an employer, I want to see detailed reports on the time employees spend on tasks, so that I can assess efficiency and workload distribution.	MUST HAVE	Reports should be available in both individual and team views.
employer	As an employer, I want to set deadlines for tasks, so that employees complete them on time.	MUST HAVE	Deadlines should be visible on the employee's dashboard.
employee	As an employee, I want to receive reminders when a task deadline is approaching, so that I can complete my work on time.	MUST HAVE	Reminders should be sent via email and in-app notifications.
employer	As an employer, I want to allow employees to request deadline extensions, so that they can justify the need for more time.	MUST HAVE	The system should notify managers when an extension request is submitted.
user	story	MUST HAVE	notes

## Developer Usage

USER	USER STORY	PRIORITY	NOTES
developer	As a developer, I want to view a list of all registered companies and employees, so that I can monitor the system's user base.	MUST HAVE	The developer should not have access to sensitive company or employee data.

USER	USER STORY	PRIORITY	NOTES
developer	As a developer, I want to search and filter companies based on their registration date and activity status, so that I can identify inactive companies.	MUST HAVE	The system should provide filters for different criteria (e.g., active, inactive, newly registered).
developer	As a developer, I want to manage license keys, so that I can activate or deactivate company access when needed.	MUST HAVE	Each company should have a unique license key stored securely in the database.

## Video Conferences

USER	USER STORY	PRIORITY	NOTES
admin	As an admin, I want to schedule meetings within the system, so that my team can have organized discussions.	COULD HAVE	Meeting invitations should be sent automatically to participants.
admin	As an admin, I want to send meeting reminders to participants, so that they don't forget scheduled discussions.	COULD HAVE	Notifications should be sent via email and in-app alerts.
user	As a user, I want to join scheduled video meetings directly from the system, so that I don't need to switch between multiple applications.	COULD HAVE	The system should provide a direct link to the meeting within the dashboard.

## Extra Functionalities

USER	USER STORY	PRIORITY	NOTES
user	As a user, I want to receive notifications for task assignments, schedule changes, and meeting invitations, so that I stay informed about important updates.	MUST HAVE	Notifications should be sent via email, in-app alerts, and optionally as mobile push notifications.
employer	As an employer, I want to configure which types of notifications are sent to employees, so that they receive only relevant information.	MUST HAVE	The notification settings should allow customization based on priority and category.
user	As a user, I want to mark notifications as read or unread, so that I can keep track of important updates.	MUST HAVE	Unread notifications should remain highlighted until reviewed.
user	As a user, I want to see my tasks, meetings, and approved leave days in a calendar view, so that I can easily manage my schedule.	MUST HAVE	The calendar should display color-coded events for different categories.

USER	USER STORY	PRIORITY	NOTES
employer	As an employer, I want to schedule company-wide events and have them appear in employees' calendars, so that all team members are aware of key dates.	MUST HAVE	Employees should receive notifications when an event is added to their calendar.
user	As a user, I want to export my work schedule to Google Calendar or Outlook, so that I can synchronize it with my personal calendar.	COULD HAVE	The system should generate an .ics file for easy calendar import.
employer	As an employer, I want to require employees working remotely to check in at specific intervals, so that I can monitor their work progress.	MUST HAVE	Employees should receive reminders when a check-in is due.
user	As a user, I want to confirm my presence by checking in at designated times, so that my employer knows I am actively working.	MUST HAVE	The check-in system should be easy to use and non-intrusive.
employer	As an employer, I want to receive alerts if an employee repeatedly misses check-ins, so that I can follow up on their attendance.	MUST HAVE	Missed check-ins should be logged and reported to supervisors.
employer	As an employer, I want to assign role-based permissions to employees, so that they only access relevant data and features.	MUST HAVE	Permissions should be adjustable per department or role.
employer	As an employer, I want to restrict managers from accessing employee personal data, so that sensitive information remains protected.	MUST HAVE	Only HR and admins should have access to personal records.
user	As a user, I want to request additional permissions if needed, so that I can access the tools required for my job.	COULD HAVE	Requests should be reviewed and approved by administrators.
employer	As an employer, I want to track employee task completion rates and efficiency, so that I can evaluate performance objectively.	MUST HAVE	Reports should include average task completion time and overdue tasks.
employer	As an employer, I want to reward employees who consistently meet deadlines, so that I can encourage high performance.	COULD HAVE	Bonuses or recognition badges should be awarded automatically.
user	As a user, I want to view my performance metrics and feedback, so that I can track my progress and identify areas for improvement.	MUST HAVE	Employees should see historical performance trends.