Editable Profile Dropdown Menu - Feature Summary

Overview

Transformed the user profile dropdown menu from a static display into a fully functional settings hub where customers can edit their profile information, preferences, and account settings.

✨ New Features

1. Profile Information Editing

- **Edit Name & Details**: Update first name and last name
- **Update Profile Picture**: Upload new profile photos (JPG, PNG, GIF, WebP - max 5MB)
- **Company Info**: Add company name and job title

2. Preferences & Customization

- **Theme Switcher**: Toggle between dark and light themes with instant feedback
- **Language Settings**: Choose from 5 languages (English, Spanish, French, German, Japanese)
- **Notifications**: Configure email notifications, query alerts, and weekly reports
- **Dashboard Layout**: Placeholder for future customization (coming soon)

3. Security Controls

- **Change Password**: Update account password with current password verification
- Requires minimum 8 characters
- Validates current password before updating
- Full audit trail for security monitoring
- **Two-Factor Auth**: Coming soon
- **Login History**: Coming soon
- **Device Management**: Coming soon

4. Usage & Activity

- **Recent Activity**: Coming soon
- **Usage Statistics**: Coming soon
- **Query Analytics**: Direct link to query history tab

5. Integration Settings

- **API Keys & Webhooks**: Coming soon
- **Third-Party Integrations**: Coming soon

6. Support

- **Help Center**: Opens Picard.ai help documentation
- **Contact Support**: Direct email link to support@picard.ai

🔧 Technical Implementation

New Components Created

1. **ProfileEditDialog** (`/components/profile-edit-dialog.tsx`)
   - Reusable modal dialog for all edit operations
   - Supports 6 dialog types: name, picture, company, password, notifications, language
   - Form validation and error handling
   - Session updates after successful edits

New API Endpoints

1. **PATCH /api/user/profile**
   - Updates user name and profile information
   - Creates audit logs for all changes

2. **POST /api/user/profile-picture**
   - Handles profile picture uploads
   - Validates file type and size
   - Stores as base64 (ready for cloud storage migration)

3. **POST /api/user/change-password**
   - Secure password change with bcrypt hashing
   - Current password verification
   - Failed attempt logging for security

4. **PATCH /api/user/preferences**
   - Updates user preferences
   - Audit trail for preference changes

Enhanced Dropdown Component

- Added state management for dialog visibility
- Integrated toast notifications for user feedback
- Smooth transitions between dropdown and modals
- Dropdown auto-closes when opening edit dialogs

Type Safety

- Extended NextAuth session types to include firstName and lastName
- Created type definitions in `next-auth.d.ts`

🎨 User Experience

Visual Design

- All modals match the terminal green aesthetic
- Consistent font families (Orbitron for headers, Share Tech Mono for body)
- Dark theme with semi-transparent backgrounds
- Smooth animations and transitions

Interaction Flow

1. User hovers over their name in header → Dropdown appears
2. User clicks any menu item → Modal opens, dropdown closes

3. User fills form and clicks "Save Changes" → API call with loading state

4. Success/error toast notification → Session refreshes → Modal closes

Feedback Mechanisms

- Loading spinners during API calls
- Success/error toast notifications
- Form validation with helpful error messages
- Disabled submit buttons until required fields are filled

🔒 Security Features

Password Management

- Minimum 8 character requirement
- bcrypt hashing with salt rounds of 12
- Current password verification required
- Audit logging of all password change attempts

Profile Picture Upload

- File type validation (only images allowed)
- 5MB size limit
- Sanitized file handling
- Audit trail for uploads

Data Protection

- All API endpoints require authentication
- Session validation on every request
- Audit logs for all profile changes
- XSS protection through input sanitization

📊 Audit Trail

All profile changes are logged including:
- User updates (name, email, preferences)
- Password changes (success and failures)
- Profile picture uploads
- Preference modifications

Logged fields:
- User ID and organization ID
- Action type and timestamp
- Success/failure status
- Detailed change information
- IP address and user agent (when available)

🚀 Deployment Status

✅ **LIVE** at https://ncc-1701.io

📝 What Customers Can Do Now

Immediately Available:

- ✅ Edit first and last name
- ✅ Upload profile picture
- ✅ Add company information
- ✅ Switch themes (dark/light)
- ✅ Change password
- ✅ Configure notification preferences
- ✅ Set language and timezone
- ✅ Access query analytics
- ✅ Contact support

Coming Soon:

- ⏳ Two-factor authentication
- ⏳ Login history view
- ⏳ Device management
- ⏳ Activity logs
- ⏳ Usage statistics
- ⏳ API key management
- ⏳ Third-party integrations
- ⏳ Dashboard layout customization

🎯 Benefits

1. **Self-Service**: Users can manage their profiles without contacting support
2. **Personalization**: Custom profile pictures and names create ownership
3. **Security**: Easy password changes and future 2FA support
4. **Transparency**: Full audit trail for compliance
5. **Scalability**: Modular design makes adding new settings easy

📸 Key Interactions

Editing Name:

1. Click "Edit Name & Details"
2. Enter first and last name
3. Click "Save Changes"
4. Name updates throughout app immediately

Changing Password:

1. Click "Change Password"
2. Enter current password
3. Enter new password (min 8 chars)
4. Confirm new password
5. Submit and receive confirmation

Updating Profile Picture:

1. Click "Update Profile Picture"

2. Choose image file (max 5MB)

3. Preview appears

4. Click "Save Changes"

5. Picture updates in header immediately

🔁 Session Management

• Profile updates trigger session refresh

• Changes reflected immediately without page reload

• Proper handling of session state throughout app

• User stays authenticated during all operations

💡 Future Enhancements

Potential additions based on user feedback:
- Email change with verification
- Social media account linking
- Profile completeness indicator
- Avatar generator for users without photos
- Preference presets (work, personal, etc.)
- Export user data
- Delete account option