Deployment Checklist for 3D Outfit Builder

> NOTE: Documentation has been consolidated into `README.md`. See the main README for the canonical guide. Original content preserved below.

Pre-Deployment Setup

1. Environment Variables

Ensure all required environment variables are set in Vercel:

Required Variables:

- `NEXT_PUBLIC_SUPABASE_URL` - Your Supabase project URL
- `NEXT_PUBLIC_SUPABASE_ANON_KEY` - Your Supabase anonymous key
- `SUPABASE_SERVICE_ROLE_KEY` - Your Supabase service role key (server-side only)

Optional Variables (if using direct database connection):

- `POSTGRES_URL`
- `POSTGRES_PRISMA_URL`
- `POSTGRES_URL_NON_POOLING`
- `POSTGRES_USER`
- `POSTGRES_PASSWORD`
- `POSTGRES_DATABASE`
- `POSTGRES_HOST`
- `SUPABASE_JWT_SECRET`

2. Supabase Database Setup

Run the following SQL scripts in order in your Supabase SQL editor:

1. `scripts/00-complete-database-setup.sql` - Complete database schema
2. `scripts/14-add-onboarding-field.sql` - Onboarding fields
3. `scripts/15-optimize-rls-policies.sql` - Optimized RLS policies
4. `scripts/17-add-foreign-key-indexes.sql` - Performance indexes
5. `scripts/18-optimize-profiles-indexes.sql` - Profile table optimization
6. `scripts/20-fix-storage-rls.sql` - Storage bucket and RLS policies

3. Supabase Storage Setup

Ensure the following storage buckets exist:

- `avatars` - For user profile pictures (public read, authenticated write)

Deployment Steps

1. GitHub Repository

- Ensure your code is pushed to GitHub
- Repository should be public or accessible to Vercel

2. Vercel Deployment

1. Go to vercel.com
2. Click "New Project"
3. Import your GitHub repository
4. Vercel will auto-detect Next.js configuration
5. Add environment variables in the "Environment Variables" section
6. Click "Deploy"

3. Post-Deployment Verification

Health Check

- Visit `https://your-app.vercel.app/api/health`
- Should return: `{"status":"ok","timestamp":"...","environment":"production"}`

Authentication Flow

1. Visit `/auth/register` - Create a new account
2. Check email for verification link
3. Complete email verification
4. Visit `/onboarding` - Complete the 3-step onboarding process
5. Upload a profile picture
6. Verify profile data persists after logout/login

Core Features

- ☐ Landing page loads without errors
- ☐ Feature cards animate smoothly into view
- ☐ Navigation works (authenticated vs non-authenticated states)
- ☐ 3D Playground page loads
- ☐ Outfit Picker functionality
- ☐ Gallery page with filters
- ☐ Product pages and cart functionality
- ☐ Profile management and settings

Database Performance

- Check Supabase dashboard for any RLS policy warnings
- Verify query performance is optimal
- Confirm all foreign key indexes are in place

Troubleshooting

Common Issues

Cards not visible:

- Ensure framer-motion is installed: `npm install framer-motion`
- Check browser console for JavaScript errors
- Verify CSS classes are loading properly

Authentication errors:

- Verify Supabase environment variables are correct
- Check Supabase project settings for correct URLs
- Ensure RLS policies are properly configured

Database connection issues:

- Verify database connection strings
- Check Supabase project is active and not paused
- Ensure all required tables exist

Storage upload errors:

- Verify storage bucket exists and is properly configured
- Check RLS policies for storage bucket
- Ensure CORS is configured if needed

Performance Optimization

- All foreign key indexes should be in place
- RLS policies should be optimized (no performance warnings)
- Images should be optimized and properly sized
- Consider enabling Vercel Analytics for monitoring

Production Readiness Checklist

- ☐ All environment variables configured
- ☐ Database schema deployed and optimized
- ☐ Storage buckets configured with proper RLS
- ☐ Authentication flow tested end-to-end
- ☐ All pages load without errors
- ☐ Mobile responsiveness verified
- ☐ Performance optimizations applied
- ☐ Error handling implemented
- ☐ Health check endpoint working
- ☐ Monitoring and analytics configured

Maintenance

Regular Tasks

- Monitor Supabase usage and performance
- Check Vercel deployment logs for errors

- Update dependencies regularly
- Monitor user feedback and bug reports
- Backup database regularly (Supabase handles this automatically)

Scaling Considerations

- Monitor database query performance
- Consider CDN for static assets
- Implement caching strategies as needed
- Monitor and optimize bundle size
- Consider implementing rate limiting for API endpoints