

3D Outfit Builder - Deployment Guide

Prerequisites

Before deploying, ensure you have:

□ 680 Complete Deployment Guide - Cosmic Outfits 3D Builder

NOTE: Documentation has been consolidated into [README.md](#). See the main README for the canonical guide. Original content preserved below.

1. **Clone the repository** ```bash git clone cd 3d-outfit-builder```
2. **Install dependencies** ```bash npm install```
3. **Set up environment variables** Create a [.env.local](#) file in the root directory:
```env  
NEXT\_PUBLIC\_SUPABASE\_URL=your\_supabase\_project\_url  
NEXT\_PUBLIC\_SUPABASE\_ANON\_KEY=your\_supabase\_anon\_key  
SUPABASE\_SERVICE\_ROLE\_KEY=your\_supabase\_service\_role\_key```

## Supabase Configuration

1. **Create a new Supabase project** at <https://supabase.com>
2. **Run the database setup scripts** in the Supabase SQL editor:
  - Execute [scripts/00-complete-database-setup.sql](#)
  - Execute [scripts/01-create-tables.sql](#)
  - Execute [scripts/02-create-rls-policies.sql](#)
  - Execute [scripts/03-seed-sample-data.sql](#)
  - Execute [scripts/04-create-functions.sql](#)
3. **Configure Authentication**
  - Go to Authentication > Settings
  - Add your domain to "Site URL"
  - Configure email templates if needed
4. **Set up Storage**
  - Go to Storage and create a bucket named "avatars"
  - Set appropriate policies for public access

## Local Development

1. **Start the development server** ```bash npm run dev```

2. **Open your browser** and navigate to <http://localhost:3000>

### 3. **Test the application**

- Register a new account
- Complete the onboarding flow
- Test the dashboard features

## Production Deployment

Option 1: Vercel (Recommended)

1. **Connect your repository** to Vercel
2. **Add environment variables** in the Vercel dashboard
3. **Deploy** - Vercel will automatically build and deploy your app

Option 2: Manual Deployment

1. **Build the application** ``bash npm run build ``
2. **Start the production server** ``bash npm start ``

## Post-Deployment Checklist

- Test user registration and login
- Verify email confirmation flow
- Test profile updates and image uploads
- Check dashboard analytics and charts
- Verify 3D playground functionality
- Test real-time updates
- Confirm mobile responsiveness

## Monitoring and Maintenance

1. **Set up error tracking** (e.g., Sentry)
2. **Monitor performance** with Vercel Analytics
3. **Set up database backups** in Supabase
4. **Configure alerts** for critical issues

## Troubleshooting

Common Issues

1. **Supabase connection errors**
  - Verify environment variables
  - Check RLS policies
  - Ensure service role key has proper permissions
2. **Image upload issues**

- Verify storage bucket exists
- Check storage policies
- Ensure proper CORS configuration

### 3. Real-time updates not working

- Check WebSocket connections
- Verify subscription setup
- Test with browser developer tools

## Support

For additional support:

- Check the Supabase documentation
- Review Next.js deployment guides
- Contact the development team

## Performance Optimization

1. **Enable caching** for static assets
2. **Optimize images** with Next.js Image component
3. **Use CDN** for better global performance
4. **Monitor bundle size** and optimize imports
5. **Implement lazy loading** for heavy components

## Security Considerations

1. **Review RLS policies** regularly
2. **Keep dependencies updated**
3. **Use HTTPS** in production
4. **Implement rate limiting** if needed
5. **Regular security audits**

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Your 3D Outfit Builder is now ready for production! 