SafePlay™ Staging Deployment Checklist

Pre-Deployment Verification

Environment Configuration

- [ ] `.env.local` file created with staging password
- [ ] `STAGING_PASSWORD` set to: `SafePlay2025Beta!`
- [ ] `NEXTAUTH_URL` configured for production domain
- [ ] `NODE_ENV` set to `production`
- [ ] Database connection strings configured

Security Features Implemented

- [ ] Stakeholder password protection active
- [ ] Bot detection and blocking enabled
- [ ] Rate limiting configured (10 attempts per 15 minutes)
- [ ] Security headers implemented
- [ ] No-index meta tags in place
- [ ] `robots.txt` blocking all crawlers

User Interface Components

- [ ] Beta banner displaying on all pages
- [ ] Stakeholder logout functionality in navigation
- [ ] Professional staging auth page
- [ ] Remember me functionality working
- [ ] Error handling for failed authentication

Middleware Protection

- [ ] Stakeholder auth middleware running first
- [ ] NextAuth middleware running second
- [ ] All routes protected except staging auth
- [ ] Security headers applied to all responses

Deployment Steps

1. Domain Configuration

```
# Update environment for production domain
NEXTAUTH_URL="https://mysafeplay.ai"
```

2. Vercel Deployment Settings

- **Framework Preset:** Next.js
- **Root Directory:** `app/`
- **Build Command:** `yarn build`
- **Output Directory:** `.next` (auto-detected)

- **Install Command:** `yarn install`

3. Environment Variables in Vercel

```
STAGING_PASSWORD=SafePlay2025Beta!
NEXTAUTH_URL=https://mysafeplay.ai
NEXTAUTH_SECRET=your-production-nextauth-secret
NODE_ENV=production
DATABASE_URL=your-production-database-url
```

4. Custom Domain Setup

- Point `mysafeplay.ai` to Vercel deployment
- Ensure SSL certificate is active
- Verify HTTPS redirect is working

Testing Procedures

Pre-Deployment Testing

1. **Stakeholder Authentication:**
   - [ ] Navigate to staging URL
   - [ ] Enter correct password: `SafePlay2025Beta!`
   - [ ] Verify access granted to main application
   - [ ] Test "Remember me" functionality
   - [ ] Test logout functionality

2. **Bot Protection:**
   - [ ] Verify robots.txt is accessible and blocks all crawlers
   - [ ] Test with different user agents (bot simulation)
   - [ ] Confirm bots receive 403 Forbidden responses

3. **Rate Limiting:**
   - [ ] Test multiple failed login attempts
   - [ ] Verify rate limiting kicks in after 10 attempts
   - [ ] Confirm 15-minute lockout period

4. **Security Headers:**
   - [ ] Check response headers include security measures
   - [ ] Verify no-index directives are present
   - [ ] Confirm HTTPS enforcement

5. **Existing Functionality:**
   - [ ] Test user registration and login
   - [ ] Verify role-based access control
   - [ ] Check dashboard functionality
   - [ ] Test mobile responsiveness

Post-Deployment Verification

1. **Domain Access:**
   - [ ] `https://mysafeplay.ai` loads correctly
   - [ ] SSL certificate is valid
   - [ ] Redirects to staging auth page

2. **Stakeholder Access:**
   - [ ] Password authentication working
   - [ ] Session persistence across page reloads
   - [ ] Logout functionality operational

3. **Search Engine Protection:**
   - [ ] Site not appearing in Google search results
   - [ ] `robots.txt` accessible at root domain
   - [ ] Meta tags preventing indexing

Stakeholder Communication

Access Instructions Email Template

```
Subject: SafePlay™ Beta Environment - Access Credentials

Dear [Stakeholder Name],

The SafePlay™ beta environment is now live and ready for your review.

☐ **Access URL:** https://mysafeplay.ai
☐ **Password:** SafePlay2025Beta!

**Getting Started:**
1. Visit https://mysafeplay.ai
2. Enter the password above
3. Check "Remember me" for extended access
4. Explore the full SafePlay™ application

**Test Account:**
- Email: john@doe.com
- Password: johndoe123

**Important Notes:**
- This is a confidential staging environment
- Please do not share credentials publicly
- Report any issues to [project manager email]
- Features are in development and may change

**Documentation:**
Complete stakeholder guide is available in the application.

Best regards,
SafePlay™ Development Team
```

Security Monitoring

Metrics to Monitor

- Failed authentication attempts
- IP addresses attempting access
- Session duration patterns
- Bot blocking effectiveness
- Rate limiting triggers

Alert Conditions

- Unusual number of failed attempts from single IP
- Successful authentication from unexpected regions
- High volume of bot traffic
- Application errors or downtime

Rollback Plan

Emergency Procedures

1. **Immediate Issues:**
   - Disable custom domain, revert to Vercel URL
   - Roll back to previous deployment
   - Notify stakeholders of temporary access changes

2. **Security Concerns:**
   - Change staging password immediately
   - Revoke all active sessions
   - Implement additional IP restrictions

3. **Communication Plan:**
   - Update stakeholders within 1 hour
   - Provide alternative access method
   - Timeline for resolution

Success Criteria

Deployment Complete When:

- [ ] All stakeholders can access with provided credentials
- [ ] No unauthorized access possible
- [ ] All existing SafePlay™ functionality working
- [ ] Beta environment clearly identified
- [ ] Search engines cannot index the site
- [ ] Monitoring and alerting operational

Deployment Date: __
Deployed By: __
Verified By: __
Stakeholder Notification Sent: _____