

## 6. Specifications

- **Frontend:** ReactJS (Client-side form validation)
- **Backend:** Java Spring Boot (API for registration and verification)
- **Database:** MySQL (Store user data)
- **Email Service:** AWS SES
- **Authentication:** JWT
- **Validation:** Form validation with regex and server-side checks

## 7. Functional Specifications

### 7.1 Registration Form Fields

- First Name (Required)
- Last Name (Required)
- Email (Required, unique, valid format)
- Password (Required, min 8 characters, one special character)
- Confirm Password (Match Password)

### 7.2 Validation Rules

- Empty field check
- Password strength enforcement
- Email format validation
- Duplicate email check

### 7.3 Error Messages

- "Email is invalid"
- "Passwords do not match"
- "This email is already registered"
- "Password must contain at least 8 characters with one special character"

### 7.4 Success Criteria

- Form submission without errors
- Successful email verification
- User login with verified account

### 7.5 Edge Cases

- Invalid email or password format
- Network failures during registration
- Email not received
- Multiple verification attempts