**“1인가구 임대주택 청약 경쟁률 예측 서비스”**

**요구사항 분석서**

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**1. 기능적 요구사항**

**1.1 메인 페이지 기능**

1.1.1 네비게이션 바 기능

* 상단의 네비게이션 바의 각 메뉴 요소들을 클릭 했을 때 그에 맞는 페이지로 이동할 수 있어야 한다.

1.1.2 캐러셀 기능

* 경쟁률 관련 이미지를 정해진 시간마다 다음장으로 넘겨준다.

**1.2 경쟁률 예측 기능**

1.2.1 지역구별 조회 기능

* 지역구별 경쟁률 예측 정보를 제시할 수 있어야 한다.
* 지도에서 지역구를 선택하면 해당 구의 최종 예측 경쟁률을 지도위에 표시할 수 있어야한다.
* 상위 예측 경쟁률 5개 지역을 시각화하여 그래프로 표시할 수 있어야 한다.

1.2.2 지역구별 상세조회 기능

* 지도에서 해당 지역구를 클릭하면 팝업창으로 상세정보를 보여줄 수 있어야 한다.
* 지역구별 최종 경쟁률 추이를 공고 일정별로 시각화하여 그래프로 표시할 수 있어야 한다.
* 해당구의 경쟁률 예측 정보를 평수별로 나누어 표시하여 보여줄 수 있어야 한다.
* 해당구의 경쟁률 예측 정보를 임대료별로 나누어 표시하여 보여줄 수 있어야 한다

**1.3 공고 일정 모아보기 기능**

1.3.1 상세정보 조회 기능

* 청년 1인가구를 대상으로 한 임대주택의 모집 공고를 공고별로 달력에 일정 표시할 수 있어야 한다.
* 선택한 일자에 해당하는 공고를 클릭하면 공고의 상세내용을 보여줄 수 있어야 한다.

**1.4 커뮤니티 기능**

1.4.1 게시글 업로드 기능

* 회원들이 텍스트와 파일을 올릴 수 있어야 한다.

1.4.2 댓글 기능

* 회원들이 업로드한 게시글에 회원들만 텍스트와 파일을 올릴 수 있어야 한다.

1.4.3 실시간 채팅 기능

* 채팅창에 텍스트를 적은 회원의 닉네임과 내용을 같이 표시해준다.

**1.5 회원 관리 기능**

1.5.1 로그인 기능

* 회원가입을 한 회원들이 아이디와 비밀번호를 입력하여 접속가능하게 한다.

1.5.2 회원가입 기능

* 아이디, 비밀번호, 닉네임, 이름, 생년월일, 성별, 이메일, 휴대전화, 질문 값을 입력하여 회원가입이 되도록 한다.

1.5.3 ID/PW 찾기 기능

* 아이디를 잊어버렸을 경우 이름, 생년월일, 휴대전화 값을 입력하여 아이디의 일부를 표시하여 보여준다.
* 비밀번호를 잊어버렸을 경우 아이디, 질문에 대한 값을 입력하여 비밀번호를 변경시켜준다.

1.5.4 회원정보 조회 및 수정 기능

* 저장된 회원정보를 확인가능하게 하고 회원의 정보가 변경되었을 경우 정보를 수정하고 새로 입력한 정보가 저장되도록 한다.

1.5.5 회원탈퇴 기능

* 회원탈퇴 버튼을 눌렀을 때 저장된 회원정보가 삭제되고 회원 기능을 상실하게 한다.