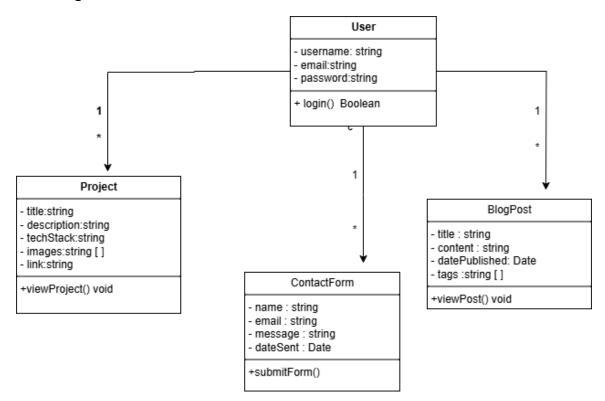
# **Class Diagram**



# **Sequence Diagram** Browser Frontend Backend Database browsing blog posts request blog posts click project UI handles click validate inputs submit blog posts click blog posts petch project by ID send form data save message submitting contact form cofirmation fill form click submit display" message sent" reply message

### **SDLC Phases for Portfolio Website**

### 1. Planning

• Goal: Define the purpose of the portfolio website.

#### Actions:

- o Identify the main features: homepage, projects, blog, contact form.
- Determine the target audience (employers, clients, etc.).
- Choose the tech stack (HTML, CSS, JavaScript, maybe a backend like Node.js or PHP).

# 2. Design

• **Goal:** Create the layout and architecture.

#### Actions:

- Draw wireframes and UI mockups (using tools like Figma or draw.io).
- o Design diagrams like the Class Diagram and Sequence Diagram.
- o Plan the site structure: navigation menu, pages, sections.

# 3. Development

Goal: Build the actual website.

#### Actions:

- Code the frontend using HTML, CSS, and JavaScript.
- Implement components: blog posts, contact form, project showcase.
- o Add animations or interactivity as needed.

# 4. Testing

• Goal: Make sure everything works well.

### Actions:

- o Test all features: links, form submissions, blog loading.
- o Use different browsers and screen sizes to check responsiveness.
- o Fix bugs and improve performance.

## 5. Maintenance

• **Goal:** Keep the website updated.

## Actions:

- Regularly update project content and blog posts.
- o Fix any future bugs or broken links.
- o Add new features based on feedback or personal growth.

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