**Full Stack Web Developer - Skill Test**

**Development Process**

1. **Front-End**

In this exercise initially I started developing frontend(uploaded as Front-End 1). I initially used HTML5, CSS3, JavaScript and jQuery to develop the front end.  
I developed the layout initially and then added JavaScript to bind the data from landscapes.json using jQuery ajax. I added simple styles using CSS. The initial difficulty I faced was that the website was not responsive and need to write several lines of styles to make it appear as expected. Then in (\*) it was mentioned that we can use any framework or library so I thought bootstrap is perfect fit for this as it has all the predefined styles, and we can create more responsive website with just small lines of code. So, I created a new file using bootstrap (uploaded as Front-End 2) with some additional media query break points in CSS to make it appear as expected.  
**Some of the additional things with future perspective**  
1. Enlarge the image on hover.

2. We can use carousel to show different photographer’s work.

3. Add the search tool bar.

1. **Back-End**

In this exercise initially I went through the backend development requirements and then thought about what challenges I could face while developing and their possible solutions. Initial difficulty faced was to create a DB and its relations (one to many – photographer and album). I created database and web app architecture. Then I created the models (Photographer, Picture) and DB migrations. Then I created DB seeder (then I executed the DB migrations and seeder) and then created the controller. Then I update the route to point this controller and in controller I fetched the photographer and their photos from the DB and return their response.  
**Some of the additional things with future perspective**   
1. Error Handling

2. Add new actions such as create, update, delete photographer and picture.