Project Report :

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| **Student Name** | **Student ID** |
| Patrick Dunlevy | 12116921 |
| Paul Harrison |  |
| Mark Likeman |  |
| Niall Ryan | 12114812 |

• Motivation [5%]

• Project Scope:

This is a short description of why your innovation is useful and what it might achieve.

BottleRocket is a Rich Internet Application for fans of music and movies. The application allows users to search for information about musicians and artists, stream videos and music from those artists, search for upcoming music events in their area and find information about new movies that are being released in their locality.

• Area of contribution:

This should describe the general problem area. For example, what is a problem in educational environments and how might they be better developed through the application of a RIA.

Problems?  
Complex Server Logic  
Proprietary Data Solutions  
Desktop-like Application Experience

SPAs, Web Services, Client-Side Technologies

• State of the Art Review [30%]

• This section should outline a literature review of the methodologies. Describe investigation into current practice, case studies of other rich Internet applications, and academic/industrial research that is reported in conferences and journal articles. This should include a critical analysis of your selected approach. You must describe how you made an informed decision about both the innovation undertaken and the technologies selected.

Investigation into current practice  
Case Studies (Seevl?)  
Academic/Industrial Research  
Critical Analysis of selected approach  
Informed decision about innovation undertaken and technologies

• User Interface Design [20%]

• This section should outline how you arrived at the design of your UI. You should include a detailed analysis of how the controls in your application deliver a successful UI experience.

Mark and Paul

• Architecture [25%]

• Application Architecture:

Outline the solution architecture for your application. You should justify the approach you took, and how it supports the project scope. This means mapping back to the state of the art review when describing the features and functionality of your system.

Solution Architecture => Angular, angular-seed  
 map back to state of the art review

• Security:

Evaluate industry standard error handling, and outline how you integrated these approaches within your application.

JavaScript Error Handling?

• Toolkits and Frameworks:

• Discuss the toolkits and frameworks used and the justification for using them.

Angular, angular-seed, Zurb Foundation  
 Justification

• Data Transfer Strategies:

• This section looks at the access and transporting of data to be consumed/created by the RIA.

Angular’s $http service, Soundcloud SDK

• Evaluation and Testing:

You must include a short description of how your application was evaluated for its audience. Critically analyse the testing methodology employed, as well as any debugging techniques you used in building the application.

Audience Evaluation => Usability  
Testing Methodology => angular-seed, Jasmine, Karma

• Summary [10%]

• This is a short section that includes a brief summary of what was achieved so far. Evaluate the approach you took, the tools you used, and the implementation of your applications. You should describe what changes you would make or future work that would benefit your application.

Evaluate: Approach, Tools, Implementation  
Development Expansion Plan  
Future of Angular + RIAs?

• References [10%]

• Please refer to the Harvard guidebook. Ensure to correctly reference all resources using the Harvard style of referencing.