KV6002 Team Project and Professionalism Project Idea

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## Team Project Brief

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| --- | --- | --- |
| Group Member Name | | Programme |
| Neetan Briah (W16028251) | | Computer Science |
| Aows Rashad (W16024005) | | Computer Science with Web Development |
| Lee Haley (W16014111) | | Computer Science with Web Development |
| Jordan Delaney (W16015149) | | Computer Science with Web Development |
|  | |  |
| Project Idea (One sentence) | | |
| Produce an online web-based system for a local running group. | | |
| Explanation (one paragraph) | | |
| A local group of amateur runners who run for fitness and fun also hold regular socials where runners can get together in an informal social setting and talk about routes, ideas for new challenges or even just getting to know other runners better. The group has grown considerably since it was established and they now want to move to a customised online web-based interactive system, which provides an environment for runners to post routes, review routes whilst also supporting the arrangement of runs (either buddying up or as part of a larger group runs) and social events. You have been asked to provide the prototype for this system. The minimum requirements are set out below and it is up to you how you fulfil these; however, you should aim to provide a high level of functionality and a good user experience. | | |
| Group Work | * The system must be demonstrated via newnumyspace. * The system must follow a common look and feel that will be designed with accessibility in mind. * The system must be secure. * Users must be appropriately authenticated. * Different user types must be authorised to perform different roles within the system. * Appropriate fields in the underpinning database must be encrypted. * The system must support one of the browsers installed on a university desktop. * The system could support multiple browsers. * The system should support access by devices with different screen sizes. | |
| Subsystem 1 | Administration/Users  A web-based interactive application which:   1. Must allow different levels of user (standard member/organising committee member/admin) with different permissions. 2. Must enable user registration and membership (i.e. registration/type of membership) to be confirmed. 3. Must allow the management of passwords/password resets. 4. Should allow the suspension and deletion of registered user accounts. 5. Could allow an organising committee member to send an email to all currently registered members and just organising committee members. | |

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| Subsystem 2 | Route Rating and Recommendation  A web-based interactive system which:   1. Must allow all registered members to suggest/recommend routes (i.e. create, edit, delete route suggestions based on text and graphic route representations). 2. Must enable other registered members to rate a suggested route. 3. Must enable other registered members to leave reviews (i.e. comment on) a suggested route. 4. Should allow an organising committee member to suspend, edit or delete a suggest route or review. 5. Could allow a registered member to report/flag concerns over inappropriate content in a suggested route or review. |
| Subsystem 3 | Create an Event (Running or Social)  A web-based interactive system which:   1. Must allow all registered members to create, edit, delete and archive a one-off or reoccurring event (running or social). 2. Must allow all registered members to sign up to and/or cancel their place on an event. 3. Must enable routes to be linked to running events and map/locations to social events. 4. Should allow comments to be made on an event page by those registered members signed up to attend. 5. Could provide a calendar view of events. |
| Subsystem 4 | Discussion board/forum  A web-based interactive system which:   1. Must only allow organising committee members to create and view threads (topics) for discussion. 2. Must allow only registered members to view and post messages. 3. Must allow responses by registered members (giving username and date of post). 4. Should allow reporting of inappropriate messages to admin. 5. Could ensure that inappropriate language is subject to automatic moderation. |
| Subsystem 5 | Search, filtering and customisation  A web-based interactive system which:   1. Must allow only registered members to search by keyword across all categories (i.e. routes, events and registered users). 2. Must allow only registered members to search events by type, date, duration, etc. 3. Must allow only registered members to filter routes by type, length, difficulty, terrain, etc. 4. Should allow only registered members to customise their profile pages/visible information. 5. Could include recommendations across all categories (e.g. potentially relevant alternatives) based on search criteria if no matching results are returned. |

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| Client? | Could discuss within the team, with University society (if appropriate) or with local running groups. |
| Stakeholders? | The ‘running group’ and its members. |
| Existing systems? | Systems exist that are ‘similar’; to each functional area so could be analysed?   * This particular project would be too easy if we provided you a list. |
| Research? | Literature does exist to further support each area.   * This particular project would be too easy if we provided you a list. |

## Missions & Roles

|  |  |  |
| --- | --- | --- |
|  | Mission / Role | Name |
|  | Group Work | **Group** |
|  | Administration/Users | Neetan Briah |
|  | Route Rating and Recommendation | - |
|  | Create an Event (Running or Social) | Aows Rashad |
|  | Discussion Board/Forum | Lee Haley |
|  | Search, Filtering and Customisation | Jordan Delaney |

## Meetings

Weekly 1-2 hours meetings every Wednesday/Thursday (*when group is free*)

More meetings will be scheduled during semester when required.

## Timeframe

The project will be completed by 16th May 2019

## Resources

* PhpStorm – ide for writing code.
* GitHub - To upload recent versions of the project and aid in group communication
* Google Maps API – To create and show routes
* PHPMailer – class library for adding the functionality of sending emails through the app.
* Languages - JavaScript , Ajax , PHP, HTML
* Bootstrap – To aid in the design and overall look of the app

## Code of Conduct

* Everyone in the group should ensure that they can be contacted easily by other members of the group by giving them adequate contact information.
* When working in a group, please treat other members of the group with courtesy and respect their opinions, even if you do not necessarily agree with them.
* You are expected to make full and fair contribution to the work of the group.
* When you agree to undertake a task that has been assigned to you by the group you must try work to the agreed deadline since failure to do so could impede the progress of the whole project.
* You have the right to challenge other’s opinions but please try to do it in a non-aggressive way. If there are 2 or more ideas for a solution of the program or project then there can be a vote by the other 3 members of the group.
* It is your responsibility to attend all meetings arranged by the group to advance the project, and to arrive at those meetings on time. If you can’t attend a meeting of the group, you should consider providing your input in written form and providing this to other group members before the meeting. Failure to make a meeting results in bringing treats to next meeting.
* Members shall act honestly and promptly and in such a manner to ensure that their client is not misled, offering an appropriate outcome and solution to the user’s needs and requirements.
* Members shall claim expertise only in areas where their skills and knowledge are demonstrably adequate;
* Be accurate in reporting and realistic in forecasting
* Accept responsibility for their actions and act with due skill, care and diligence.
* Members shall co-operate fully with the team and submit promptly any information the association may reasonably require.
* Promptly submit to the group any information that could assist in the completion of the project.

## Quality control

* All work will be pushed to the GITHUB Repository – (<https://github.com/aowsr/KV6002-Team-Project>).
* Documents will use a footer displaying the authors name and student ID.
* Code will be separated by comments that will state what section of the code it is for and the purpose of it.
* Indentation will be used to make code look clean.
* Variable names will be clear however not long nor complex.