**BONAFIDE CERTIFICATE**

This is to certify that the final year project entitled **“Android Game Treasure Hunt”** is a bonafide work done by **Ankit Prasad, Reg. No. 3521010017,** in partial fulfillment of the requirements for the award of the degree of **MASTER OF COMPUTER APPLICATIONS.** Who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported here is does not from any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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**Abstract**

Thought Cloud is a social thinking platform that intends to bring people together by the way they think. The concept came into picture by a thought about connecting people who are thinking about the exact same thing at the same time.\\ Thought Cloud relies its core strength on -Preciseness - Restricted to three words long thoughts only.Lucidity - Easy and interactive design makes it a child's play to use it. Innovation - Innovative feature of real time thought mapping by demography. Thought Cloud c:geo is a simple to use but powerful geocaching client with a lot of additional features. All you need to get started is an account on geocaching.com. Find caches using the live map or by using one of the many search functions. Navigate to a cache or a waypoint of a cache with the built-in compass function, the map or hand over the coordinates to various external apps (e.g. Radar, Google Navigation, StreetView, Locus, Navigon, Sygic and many more

Store cache information to your device directly from geocaching.com as well as via GPX file import to have it available whenever you want. You can manage your stored caches in different lists and can sort and filter them according to your needs Stored caches together with offline map files or static maps can be used to find caches without an internet connection (e.g. when roaming).

Logs can be posted online or stored offline for later submission or exported via field notes.Search and discover trackables, manage your trackable inventory and drop a trackable while posting a cache log.

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**LIST OF SYSMBOLS**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.NO** | **NOTATION**  **name** | **NOTATION** | **DESCRIPTION** |
| 1. | Class | *Class Name*  *-attribute*  *-attribute*  *+operation*  *+operation*  *+operation*  *+ public*  *-private*  *# protected* | Represents a collection of similar entities grouped together. |
| 2. | Association | Class B  Class A  Class B  Class A | Associations represent static relationships between classes. Roles represent the way the two classes see each other. |
| 3. | Actor |  | It aggregates several classes into single classes. |
| 4. | Aggregation | Class A  Class A  Class B  Class B | Interaction between the system and external environment |
| 5. | Relation  (extends) |  | Extends relationship is used when one use case is similar to another use case but does a bit more. |

|  |  |  |  |
| --- | --- | --- | --- |
| 6. | Communication |  | Communication between various use cases. |
| 7. | State | State | State of the process. |
| 8. | Initial State |  | Initial state of the object |
| 9. | Final state |  | final state of the object |
| 10. | Control flow |  | Represents various control flow between the states. |
| 11. | Decision box |  | Represents decision making process from a constraint |
| 12. | Use case |  | Interaction between the system and external environment. |
| 13. | Data Process/State |  | A circle in DFD represents a state or process which has been triggered due to some event or action. |

**LIST OF ABBREVATION**

|  |  |  |
| --- | --- | --- |
| **S.NO** | **ABBREVATION** | **EXPANSION** |
| 1**.** | DB | Database |
| 2. | TARs | Tree-based Association Rules |
| 3. | XML | Extensible Markup Language |
| 4. | RTAR | Rooted Tree-based Association Rules |
| 5. | ETAR | Extended Tree-based Association Rules |
| 6. | GUI | Graphical User Interface |
| 7. | CSP | Cloud Service Provider |

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